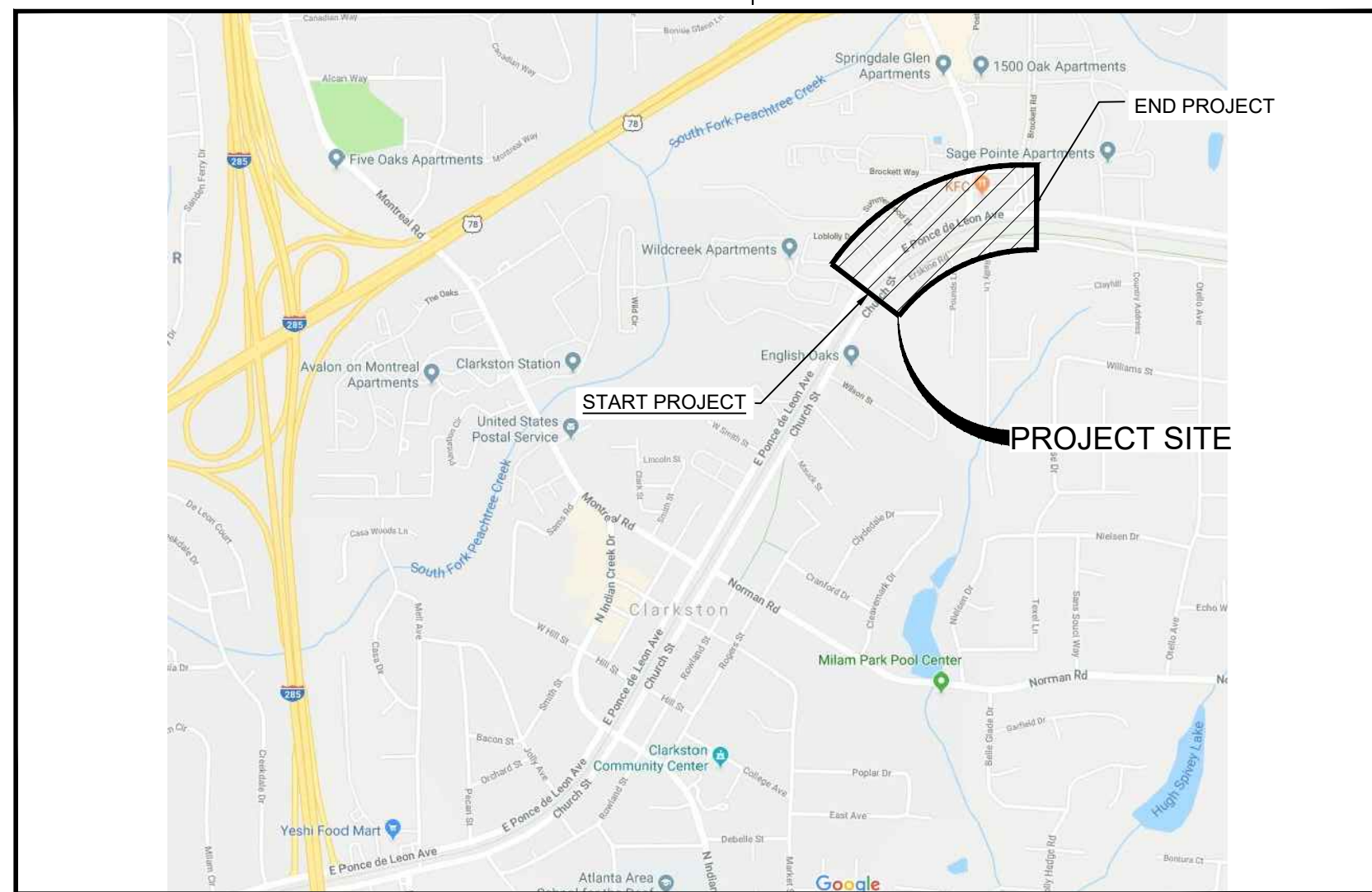


FILE PATH: \SWITCHBLADE\PROJECTS\FY19\1190154\04_CAD_BIM\04_02_CAD\CHURCH & PONCE\01-000.DWG PLOTTED BY: THOMPSON, SYDNEY



VICINITY MAP
SCALE: NTS

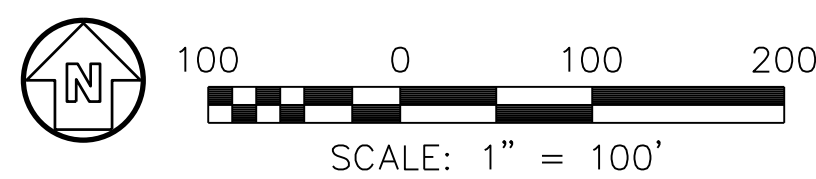
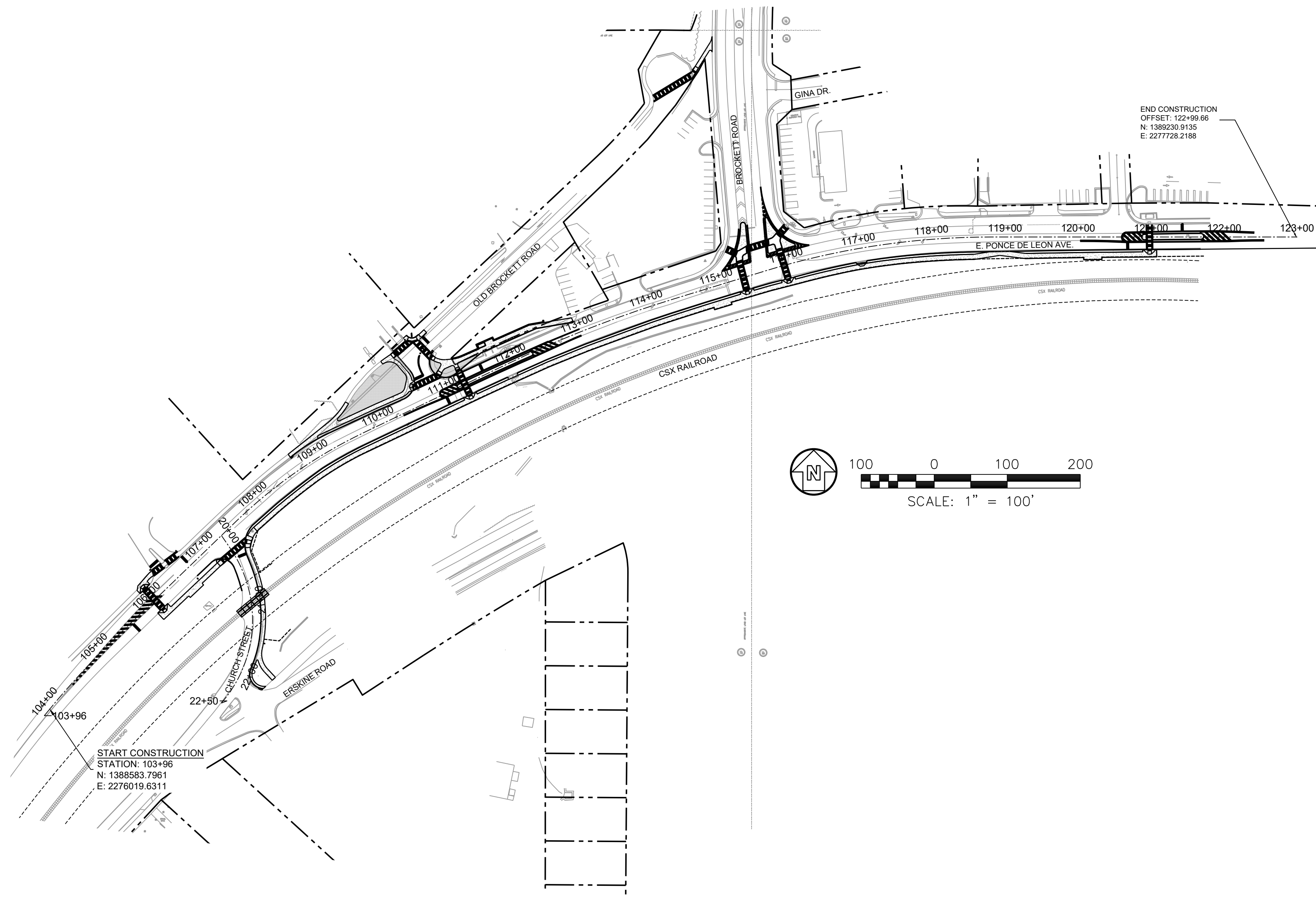


CITY OF CLARKSTON DEKALB COUNTY, GEORGIA CONSTRUCTION PLANS SPLOST 4 PEDESTRIAN ENHANCEMENTS PONCE DE LEON AVE/CHURCH ST. SIDEWALKS FEBRUARY 22, 2019

OWNER/DEVELOPER	
24-HOUR CONTACT: LARRY KAISER, P.E. PHONE 404-909-5619	OWNER: CITY OF CLARKSTON 1055 ROWLAND STREET CLARKSTON, GA 30021 ROBIN GOMEZ, CITY MANAGER
CIVIL DESIGN TEAM	
PROJECT MANAGER: BRAD JONES, PLA	POND AND COMPANY 3500 PARKWAY LANE SUITE 500 PEACHTREE CORNERS, GA 30092 PHONE (678) 336-7740 FAX (678) 336-7744 WEB: WWW.POND.CO.COM

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PONCE/CHURCH SIDEWALKS

COVER SHEET

SHEET IDENTIFICATION NUMBER
01-000

DESIGNED BY: RBJ	DATE: 2/22/2019	DRAWN BY: SBT	SOLICITATION NO.: 2222019	SUBMITTED BY: JVN	CONTRACT NO.:	FILE NAME: 01-000.dwg	PLOT DATE: 02/25/2019
POND PROJECT No. 1190154	POND	CITY OF CLARKSTON	SPLOST 4 PEDESTRIAN PROJECT D -	PONCE/CHURCH SIDEWALK	PLOT SCALE: 22" x 34"	PLOT SCALE: 1:1	MARK

100% SUBMITTAL	DATE	APPR.
1/31/2019		

SEAL

GENERAL NOTES:

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, GUIDELINES AND DETAILS, THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION, CURRENT CITY OF CLARKSTON REQUIREMENTS AND ANY OTHER LOCAL AND STATE STANDARDS THAT MAY APPLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEDERAL, STATE, OSHA AND LOCAL SAFETY REGULATIONS, LAWS, CODES OR ORDINANCES WHICH MAY APPLY.
3. IN THE DRAWINGS, USE OF THE TERMS OWNER, OWNER'S REPRESENTATIVE, ENGINEER, LANDSCAPE ARCHITECT, OR DESIGN PROFESSIONAL SHALL BE INTERPRETED TO BE COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). REFER TO CONTRACT DOCUMENTS.
4. ADD-ALTERNATE NOTE: THE SCOPE OF THE PROJECT INCLUDES WORK WITHIN RAILROAD RIGHT OF WAY OWNED BY CSX TRANSPORTATION, WHICH AT THE TIME OF BID WAS NOT APPROVED. THE BASE BID INCLUDES ALL WORK CONSIDERED OUTSIDE CSX RIGHT OF WAY, INCLUDING MEDIANS, SIGNAL WORK, STRIPING, PAVING, MARTA STOP RELOCATION, AND LANDSCAPING/SIDEWALKS ON THE NORTH SIDE OF E. PONCE DE LEON. ALL OTHER WORK, INCLUDING SIDEWALKS ON CHURCH STREET, GRANITE CURB RECONSTRUCTION, LANDSCAPING, ETC., WILL COMMENCE ONCE APPROVALS ARE OBTAINED FROM CSXT. THE CONTRACTOR IS TO PLAN FOR A DELAYED MOBILIZATION FOR THE ALTERNATE AREA AND COORDINATE ORDERING AND STORING OF MATERIALS FOR ALTERNATE ITEMS WITH COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) ONCE THE CONTRACT IS SIGNED.
5. EXISTING CONDITIONS SHOWN ARE FROM A BOUNDARY AND TOPOGRAPHIC SURVEY FOR CITY OF CLARKSTON, PREPARED BY: WOLVERTON, INC., DATED 12/03/2018.
6. THERE ARE NO KNOWN EXISTING LANDFILLS OR PROPOSED ON-SITE BURY PITS.
7. THERE IS NO FLOODPLAIN LOCATED ON-SITE.
8. THERE ARE NO KNOWN WETLANDS OR STATE WATERS LOCATED ON-SITE.
9. A NOTICE OF INTENT IS REQUIRED FOR THIS PROJECT. PROJECT AREA: 28 ACRES - DISTURBED AREA: 1.75 ACRES.
10. CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE STORM WATER DISCHARGE MONITORING, DOCUMENTATION AND REPORTING RELATED TO CONSTRUCTION ACTIVITIES FOR THE PROJECT.
11. ALL DIMENSIONS ARE TAKEN FROM/TO FENCELINES, PROPERTY LINES, EDGE OF PAVEMENT, CENTERLINE OF UTILITY, CENTERLINE OF MANHOLE OR CATCH BASIN, CENTERLINE OF ROAD, FACE OF CURB, CENTER OF PAINT STRIPE, AND FACE OF WALL OR BUILDING UNLESS OTHERWISE NOTED.
12. REPETITIVE FEATURES ON PLANS NOT DRAWN IN THEIR ENTIRETY SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SURVEYING SERVICES REQUIRED TO LAYOUT AND BUILD THE PROJECT. THIS SHALL INCLUDE ALL HORIZONTAL AND VERTICAL STAKEOUT.
14. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS.
15. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF A TRAFFIC PLAN USING THE GUIDELINES FOR APPROVAL BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN PRICE FOR TRAFFIC CONTROL LUMP SUM. APPROVAL BY THE CITY OF CLARKSTON PUBLIC WORKS DEPARTMENT AND PERMITTING WILL BE REQUIRED.
16. EXISTING TRAFFIC SIGNALS SHALL REMAIN OPERABLE AT ALL TIMES. CONTACT COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) PRIOR TO BEGINNING WORK TO DISCUSS BURIED SIGNAL EQUIPMENT. LOOP WIRES SHALL BE REPLACED IF DAMAGED.
17. CONTRACTOR SHALL INSURE THAT ACCESS TO PROPERTIES IS MAINTAINED AT ALL TIMES. IN CASES WHERE A PROPERTY HAS TWO POINTS OF ACCESS, ONE MUST REMAIN OPEN WHILE THE OTHER IS IMPROVED. IN CASES WHERE A PROPERTY HAS ONLY ONE ENTRANCE, TEMPORARY ACCESS WILL BE PROVIDED AND MAINTAINED DURING CONSTRUCTION.
18. PRICE BID FOR TRAFFIC CONTROL-LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO AGGREGATE SURFACE COURSE CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNAGE AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, DETOUR PAVING, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND/OR AS DIRECTED BY THE OWNER.
19. ALL SIDEWALK AND CURB CUT (WHEELCHAIR) RAMPS SHALL BE IN ACCORDANCE WITH GDOT SPECIAL DETAILS AND CITY OF CLARKSTON REQUIREMENTS. RAMPS SHALL BE CONSTRUCTED AT ALL POINTS WHERE SIDEWALK TERMINATES AT CURB OR IS BISECTED BY DRIVEWAYS, IF NECESSARY. THE EXACT TYPE OF RAMP (TERMINAL OR ON CURB RADIUS) MAY BE MODIFIED AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
20. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619), EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
21. THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING ON EROSION CONTROL AND LANDSCAPE PLANS ARE FOR INFORMATION ONLY. THE CITY OF CLARKSTON ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRASSING, BY UNIT COST, AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED, AS ALL DISTURBED AREAS MUST BE PERMANENTLY VEGETATED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.
22. ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH STABILIZATION SHALL BE USED AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). REFER TO SECTION 161 OF THE STANDARD SPECIFICATIONS.
23. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH DEMOLITION, CLEARING OR OTHER LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
24. CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL MEASURES DAILY AND DURING PROLONGED PERIODS OF CONTINUOUS RAINFALL EVENTS TO ENSURE THAT ALL CONTROLS ARE FUNCTIONING PROPERLY. DAMAGED CONTROLS SHALL BE REPLACED BY THE END OF THE WORKDAY.
25. CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES AS SHOWN ON THE DRAWINGS, DURING ALL PHASES OF CONSTRUCTION.
26. ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
27. ALL GRANITE CURB INSTALLATION SHALL INCLUDE A MIN. 6" THICK CLASS B CONCRETE FOOTING THE ENTIRE LENGTH OF CURB.
28. ALL PAVEMENT GAPS AFTER CURB INSTALLATION SHALL BE FILLED WITH ASPHALT PATCHING.

GENERAL SITE DEMOLITION NOTES:

- 1. "DEMOLISH" SHALL MEAN TO REMOVE AN OBJECT IN ITS ENTIRETY. RESTORE GRADES AND SURFACE IMPROVEMENTS TO MATCH EXISTING CONDITIONS OR PER REQUIREMENTS OF NEW WORK, WHICHEVER IS APPLICABLE. CONTRACTOR SHALL SAWCUT TO FULL PAVEMENT, SIDEWALK AND CURB AND GUTTER DEPTH AT THE LIMIT OF DEMOLITION FOR REMOVAL OF PAVEMENT, SIDEWALK AND CURB AND GUTTER.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED DEMOLITION SCHEDULE AND LOGISTICS PROCEDURE TO COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) FOR APPROVAL AT LEAST 10 DAYS BEFORE DEMOLITION IS TO BEGIN. THE DEMOLITION PROCEDURE SHALL INCLUDE A DETAILED DESCRIPTION OF THE METHODS AND EQUIPMENT TO BE USED FOR EACH OPERATION AND THE SEQUENCE OF WORK. THE DEMOLITION PROCEDURES SHALL PROVIDE FOR SAFE CONDUCT OF WORK AND THE PROTECTION OF PROPERTY WHICH IS TO REMAIN UNDISTURBED AND COORDINATION WITH OTHER WORK OR OPERATIONS THAT MAY BE IN PROGRESS. METHODS AND SCHEDULING OF DEMOLITION ACTIVITIES MUST BE APPROVED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) AND COORDINATED WITH THE CONTRACTOR'S SCHEDULE AND ASSOCIATED EROSION AND SEDIMENTATION CONTROL PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING SERVICE CONNECTIONS TO BE REMOVED FROM BUILDINGS OR THE SITE, IF PRESENT, AND PERMANENTLY PLUGGING PIPES WHERE REQUIRED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANIES CONCERNED.
4. ALL EXISTING PIPE TO BE ABANDONED SHALL BE CUT AND PLUGGED OR CAPPED AT EACH END. WHERE EXISTING PIPING INTERFERES WITH NEW PIPING OR CONSTRUCTION, IT SHALL BE REMOVED BEYOND THE LIMITS REQUIRED FOR THE PROPER COMPLETION OF THE WORK AND THE OPEN ENDS PLUGGED OR CAPPED. UNLESS OTHERWISE SHOWN, LINES SHALL BE PLUGGED OR CAPPED AT LEAST 12-INCHES BEHIND OR BELOW FINISH BUILDING SURFACES AND AT LEAST 12 INCHES BELOW PROPOSED GRADE SURFACES.
5. CONTRACTOR SHALL ESTABLISH SURVEY CONTROL NETWORK OUTSIDE LIMITS OF DEMOLITION PRIOR TO COMMENCEMENT OF WORK. THIS WORK MUST BE PERFORMED BY A GEORGIA LICENSED LAND SURVEYOR.
6. CONTRACTOR SHALL MINIMIZE THE IMPACT OF CONSTRUCTION ACTIVITIES ON THE TRAFFIC FLOW TO SURROUNDING FACILITIES TO REMAIN.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO OTHER BUILDING OR STRUCTURE NOT INTENDED FOR DEMOLITION. THE CONTRACTOR SHALL RESTORE ANY DAMAGED FACILITY TO THEIR CONDITION PRIOR TO THE ERRANT DEMOLITION OPERATIONS.
8. NO DEBRIS FROM SITE DEMOLITION SHALL BE BURIED ON SITE. ALL MATERIAL GENERATED FROM DEMOLITION OPERATION SHALL BE PROPERLY DISPOSED OF OFFSITE.

GRADING NOTES:

- 1. THE TOTAL AREA SHOWN ON THE PLANS FOR GRADING COMPLETE IS FOR INFORMATION ONLY. CITY OF CLARKSTON ASSUMES NO RESPONSIBILITY FOR ACCURACY. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA WHEN BIDDING ON GRADING COMPLETE. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON PLANS. COST FOR ITEMS TO BE REMOVED WHICH DO NOT HAVE A SEPARATE PAY ITEM SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE.
2. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL PROPERLY OFF-SITE.
3. CONTRACTOR SHALL VERIFY PROJECT LIMITS PRIOR TO COMMENCING WORK. THE CONTRACTOR AND SUBCONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMITTING BIDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING AND MAINTAINING A BENCHMARK FOR THE PROJECT, AND FOR ANY REQUIRED ELEVATION TRANSLATION. REFER TO SURVEY DRAWINGS FOR ANY DATUM AND BENCHMARK DATA, IF ANY.
5. ANY AND ALL DAMAGE TO EXISTING PLANT MATERIAL OR HARDSCAPE ELEMENTS THAT ARE TO REMAIN, I.E. CURBS, ROADS, WALLS FENCES, TREES, SHRUBS, ETC. SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY AND PERMANENT GROUNDWATER CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO CONTROL SURFACE RUNOFF IN ORDER TO PREVENT PONDING IN OPEN EXCAVATIONS AND PREVENT POTENTIAL UNDERMINING OF PERMANENT CONSTRUCTION FEATURES.
7. CONTRACTOR SHALL NOT WORK FILL MATERIALS DURING UNFAVORABLE WEATHER CONDITIONS. CONTRACTOR SHALL NOT PERMIT EQUIPMENT TO BE USED IN SUCH A MANNER AS TO CAUSE EQUIPMENT TO EXCESSIVELY PUMP OR RUT THE SUBGRADE OR OTHER PREPARED AREAS.
8. CONTRACTOR SHALL STRIP ALL TOPSOIL AND ORGANIC MATTER FROM AREAS TO BE MASS GRADED, UNLESS OTHERWISE INDICATED.
9. CONTRACTOR SHALL GRADE IN A MANNER TO ESTABLISH LONG SMOOTH GRADIENTS IN ORDER TO REDUCE ABRUPT CHANGES, DIPS AND SHARP TRANSITIONS IN THE FINISHED GRADE.
10. CONTRACTOR SHALL GRADE ALL DISTURBED AREAS TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND TOWARD DRAINAGE STRUCTURES OR DITCHES. NATURAL FLOW OF SURROUNDING WATERS SHALL NOT BE DISTURBED DURING CONSTRUCTION, UNLESS SHOWN OTHERWISE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE POSITIVE DRAINAGE ON ALL GRADED SURFACE AREAS. THE CONTRACTOR SHALL MAINTAIN A MINIMUM SLOPE OF 1% ON HARDSCAPE AND MINIMUM SLOPE OF 2% ON GRADED AREAS, UNLESS OTHERWISE INDICATED.
12. THE MAXIMUM CUT OR FILL SLOPES ARE 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE INDICATED.
13. FILL MATERIALS SUPPORTING ROADWAYS, PARKING AREAS, SIDEWALKS, STRUCTURES, BUILDINGS AND WALLS SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY. THE TOP 12-INCHES OF FILL MATERIALS SUPPORTING ROADWAYS, PARKING AREAS, SIDEWALKS, STRUCTURES, BUILDINGS AND WALLS SHALL BE COMPACTED TO 98 PERCENT OF THE MAXIMUM DRY DENSITY. FILL PLACED FOR GENERAL SITE GRADING SHALL BE COMPACTED TO 90 PERCENT OF THE MAXIMUM DRY DENSITY.
14. FILL MATERIALS SHALL BE FREE OF TOPSOIL, ORGANICS, DELETERIOUS MATERIALS AND ROCK FRAGMENTS LARGER THAN 3 INCHES. ALL FILL MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
15. SOIL AND MATERIAL TESTING WILL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY SELECTED AND PAID FOR BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LAB AND SCHEDULING TESTS. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH ACCEPTABLE STANDARDS INCLUDING ASTM, GDOT OR OTHERS RECOGNIZED IN THE INDUSTRY.
16. ALL AREAS WHERE ROADS, SIDEWALKS, WALLS AND/OR OTHER STRUCTURES ARE TO BE CONSTRUCTED, SHALL BE TESTED PRIOR THE PLACEMENT OF CONCRETE, ASPHALT, GRADED AGGREGATE BASE OR FILL MATERIALS.
17. SEE LANDSCAPE OR TREE PROTECTION DRAWINGS FOR TREE PROTECTION REQUIREMENTS.
18. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE AND LEGALLY DISPOSE OF IT. NO RUBBISH OR DEBRIS SHALL BE BURNED OR BURIED ON THE SITE.

UTILITY NOTES:

- 1. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ANY DAMAGE INCURRED TO ANY EXISTING UTILITY ELEMENTS SHALL BE REPAIRED PROPERLY AND IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
2. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) IMMEDIATELY.
3. CONTRACTOR WILL REPAIR ANY DAMAGE DONE BY CONSTRUCTION ACTIVITIES TO EXISTING UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
4. ANY FEES ASSOCIATED WITH UTILITY RELOCATIONS SHALL BE BORNE BY THE CONTRACTOR IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS.
5. THE CONTRACTOR SHALL COORDINATE DISCONNECTION OF EXISTING UTILITIES WITH THE APPROPRIATE UTILITY PROVIDER.
6. CONTRACTOR TO ENSURE ALL EXISTING TOPS OF MANHOLES AND VALVE BOXES ARE RAISED OR LOWERED TO BE FLUSH WITH FINISHED GRADES, UNLESS NOTED OTHERWISE.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS AND/OR EASEMENTS ARE OBTAINED AND IN HAND BEFORE BEGINNING ANY DEMOLITION OR CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. ANY PENALTIES, STOP WORK ORDERS OR ADDITIONAL WORK RESULTING FROM THE CONTRACTOR BEING IN VIOLATION OF THE REQUIREMENTS ABOVE, SHALL BE FULLY BORNE BY THE CONTRACTOR.
8. CONTRACTOR SHALL FURNISH AND MAINTAIN ANY AND ALL NECESSARY BARRICADES AROUND THE WORK AND PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
9. CONTRACTOR TO MOVE ALL CONSTRUCTION DEBRIS OFF THE PROPERTY AND DISPOSE DEBRIS AT A LEGAL, PERMITTED LANDFILL CONSISTENT WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
10. CONTRACTOR WILL NOTIFY ALL AFFECTED UTILITIES AND COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION NEAR EXISTING UTILITIES.

UTILITY PROVIDERS:

Table with 5 columns: Utility Name, Service, Phone Number, Contact Name, and Address. Includes entries for Atlanta Gas Light, AT&T Telecommunications, Comcast, DeKalb County Dept of Watershed Mgmt, Georgia Power, Verizon, etc.

CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND FROM THE SITE AT ALL TIMES. UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY INTERRUPTION OF ACCESS OR UTILITIES WITH COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) PRIOR TO THE INTERRUPTION.
2. CONTRACTOR IS RESPONSIBLE FOR SECURING OR OBTAINING LAYDOWN AREAS, TEMPORARY OFFICES, REQUIRED TEMPORARY ELECTRICAL SERVICE AND PROVIDING WATER AS REQUIRED FOR CONSTRUCTION AND LANDSCAPE MAINTENANCE UNTIL SUCH TIME THE OWNER ACCEPTS THE PROJECT AS COMPLETE AND IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS ASSOCIATED WITH DEWATERING.
4. CONTRACTOR SHALL COORDINATE AND GIVE PROPER NOTIFICATIONS TO ALL INSPECTION AGENCIES PRIOR TO START OF THE CONSTRUCTION.
5. CONTRACTOR TO PROVIDE BARRIERS AS REQUIRED TO PREVENT PUBLIC ENTRY TO CONSTRUCTION AREAS AND PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM CONSTRUCTION ACTIVITIES. THE REQUIRED BARRIERS AND DEVICES SHALL BE ERECTED PRIOR TO COMMENCEMENT OF THE WORK.
6. ALL NEW PAVEMENT AND SIDEWALKS SHALL BE CONSTRUCTED FLUSH WITH EXISTING, WITH NO PONDING OF STORMWATER, UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND VERIFY ALL EXISTING CONDITIONS, COORDINATES, AND DIMENSIONAL INFORMATION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BRING ALL DISCREPANCIES TO THE ATTENTION OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) PRIOR TO STARTING CONSTRUCTION.
8. CONTRACTOR SHALL STOP WORK IN AN AREA WHEN IT IS OBSERVED THAT THE EXISTING SITE CONDITIONS IN THAT AREA DIFFER FROM THOSE PRESENTED IN THE DRAWINGS. SUCH CIRCUMSTANCES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR DAMAGES RESULTING FROM THE FAILURE TO COMPLY WITH THIS REQUIREMENT. THE CONTRACTOR SHALL BRING ANY DISCREPANCIES IN PLAN, SITE CONDITIONS AND PRIOR WORK TO THE OWNER'S ATTENTION BEFORE ANY ADDITIONAL WORK IS PERFORMED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS.

Project information and title block including: CITY OF CLARKSTON, SPOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALKS, POND PROJECT No. 11 90154, SHEET IDENTIFICATION NUMBER 04-001, 100% DRAWINGS, and various administrative fields like DATE, SOLICITATION NO., CONTRACT NO., FILE NUMBER, PLOT DATE, PLOT SCALE, etc.

ABBREVIATIONS

@	AT
&	AND
Ø	DIAMETER
AC	ACRES
ADS	ADVANCED DRAINAGE SYSTEMS
A.K.A.	ALSO KNOWN AS
APPROX.	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING OF MATERIALS
ATFP	ANTI-TERRORISM/FORCE PROTECTION
AWWA	AMERICAN WATER WORKS ASSOCIATION
BLDG.	BUILDING
BC	BACK OF CURB
BFP	BACKFLOW PREVENTER
BMP	BEST MANAGEMENT PRACTICE
BOW	BOTTOM OF WALL AT FINISHED GRADE
B.S.	BOTTOM OF STAIR (LAST TREAD)
BSTP	TELEPHONE PEDESTAL
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
CL	CENTERLINE
CB	CATCH BASIN
C&G	CURB AND GUTTER
C.O.	CLEAN OUT
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CF	CUBIC FEET
CFS	CUBIC FEET PER SECOND
C.I.	CAST IRON
CJ	CONTRACTION JOINT
CONC.	CONCRETE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
CY	CUBIC YARDS
DI	DROP INLET
DIA.	DIAMETER
D.I.	DROP INLET
DIP	DUCTILE IRON PIPE
DOT	DEPARTMENT OF TRANSPORTATION
DWG	DRAWING
E	EASTING
EISA	ENERGY INDEPENDENCE SECURITY ACT
EJ	EXPANSION JOINT
ELEV.	ELEVATION
EOI	END OF INFORMATION
EP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
ESMT	EASEMENT
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EW	EACH WAY
EX	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FES	FLARED END SECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FKA	FORMERLY KNOWN AS
FOM	FIBER OPTICS MARKER
FT.	FEET
G	GAS
G.A.B.	GRADED AGGREGATE BASE
GAL	GALLON
GP	GUARD POST
GV	GATE VALVE
HDPE	HIGH-DENSITY POLYETHYLENE
HP	HIGH POINT / DRAINAGE DIVIDE
HW	HEADWALL
HYD	HYDRANT
ICV	IRRIGATION CONTROL VALVE
I.E.	INVERT ELEVATION
IPF	IRON PIN FOUND
INV.	INVERT
IPS	IRON PIN SET
IN.	INCH
JB	JUNCTION BOX
L	LENGTH
LEV	LOW EMISSION VEHICLE
LF	LINEAR FEET
LP	LOW POINT
LVC	LENGTH OF VERTICAL CURVE
M	METER
MAX.	MAXIMUM
M.E.	MATCH ELEVATION
MECH	MECHANICAL
MH	MANHOLE
MIN.	MINIMUM
MNS	MAGNETIC NAIL SET
MON	MONUMENT
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NCBC	NORTH CAROLINA BUILDING CODE

ABBREVIATIONS

N	NORTHING
N/A	NOT APPLICABLE
N/F	NOW OR FORMERLY
NIC	NOT IN CONTRACT
NSA	NATIONAL STONE ASSOCIATION
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
PIV	POST INDICATOR VALVE
POB	POINT OF BEGINNING
POV	PRIVATELY OWNED VEHICLE
PP	POWER POLE
PRVT	PRIVATE
PROP	PROPOSED
PSI	POUND PER SQUARE INCH
PSUS	PALMETTO STATE UTILITY SERVICES
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	UNDERGROUND ROOF DRAIN
RECP	ROLLED EROSION CONTROL PRODUCT
R/W	RIGHT-OF-WAY
S	SOUTH
SD	STORM DRAIN
SDWK	SIDEWALK
SF	SQUARE FEET
SN	SIGN
S.R.	STATE ROUTE
SS	SANITARY SEWER
SSMH	SANITARY MANHOLE
STA.	STATION
STD	STANDARD
STRUC.	STRUCTURE
TBM	TOPOGRAPHY BENCH MARK
TEMP.	TEMPORARY
TOS	TOP OF SLAB
T.S.	TOP OF STAIR (LAST TREAD)
TYP	TYPICAL
TOW	TOP OF WALL
UDP	UNIFIED DEVELOPMENT PLAN
VCP	VITRIFIED CLAY PIPE
W	WITH
WM	WATER METER
WOS	WATERS OF THE STATE
WV	WATER VALVE
B&B	BALLED AND BURLAPPED
CAL	CALIPER

SYMBOLS LEGEND

EXISTING	NEW	DESCRIPTION
N/A		DEMOLISH AND REMOVE EXISTING ASPHALT AND CONCRETE PAVEMENT
N/A		DEMOLISH SITE UTILITY
N/A	X	DEMOLISH SITE FEATURE
N/A		LIMITS OF DISTURBANCE
3	33	1' CONTOUR
5	35	5' CONTOUR
		DOUBLE WING CATCH BASIN
N/A		DROP INLET
N/A		FLARED END SECTION
N/A		GRATE INLET
N/A		JUNCTION BOX
		STORM DRAIN PIPE
N/A		UNDERGROUND ROOF DRAIN PIPE
N/A		SURFACE FLOW DIRECTION
x ELEV	ELEV	SPOT ELEVATION
N/A		DRAINAGE SWALE
N/A		RIP RAP
SS	SS	SANITARY SEWER LINE - GRAVITY
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEANOUT
w	F	WATER MAIN - FIRE PROTECTION
w	W	WATER MAIN - DOMESTIC
		WATER METER
N/A		POST INDICATOR VALVE
		WATER VALVE
N/A		FIRE DEPARTMENT CONNECTION
N/A		FIRE HYDRANT
N/A		REDUCER
N/A		GAS LINE
	N/A	GAS VALVE
	N/A	OVERHEAD ELECTRIC
	N/A	UNDERGROUND ELECTRIC
	N/A	UNDERGROUND COMMUNICATION
	N/A	COMMUNICATION MANHOLE
	N/A	UNDERGROUND FIBER OPTIC TRANSFORMER
N/A		NUMBER OF PARKING SPACES
	N/A	POWER POLE
	N/A	LIGHT POLE
	N/A	CHAINLINK FENCE
	N/A	TREE
	N/A	SILT FENCE
	N/A	TREE PROTECTION FENCE
	N/A	SIGN
N/A		HEADWALL
N/A		JUNCTION BOX
	N/A	MONITORING WELL
	N/A	MAIL BOX
N/A		UNDER DRAINS
x 1004.1		SPOT ELEVATION
		PROPERTY LINE



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SEAL

10/17/2019

DATE	DESCRIPTION	MARK	APPR.
10/17/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/25/2019
DRAWN BY: SBT	CAD BY: JVN				
SUBMITTED BY:	FILE NAME: 01-000.dwg	SIZE: 22' x 34'	PLOT SCALE: 1:1		

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane
Clarkston, GA 30025
Phone: 678.357.7740
Fax: 678.357.7744

POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
LEGEND & ABBREVIATIONS

SHEET IDENTIFICATION NUMBER
04-002

NOTE: OBJECT MARKER SIGNS (OM-3L) SHALL BE INSTALLED ON PLASTIC FLEXIBLE DILINEATORS.

FILE PATH: \\S:\M\TCHBLA\PROJECTS\19119015404\CAD_BIM\04.02\CAD\CHURCH & PONCE\06-001.DWG PLOTTED BY: THOMPSON, SYDNEY

City of Clarkston; DeKalb County SPLOST 4D - PONCE DE LEON AND CHURCH ST PEDESTRIAN IMPROVEMENTS					
ITEM CODE	ITEM DESCRIPTION	QTY	UM	UNIT PRICE	COST
BASE BID - ALL WORK OUTSIDE CSX ROW					
150-1000	TRAFFIC CONTROL	1	LS		
151-1000	MOBILIZATION	1	LS		
210-0100	GRADING COMPLETE	1	LS		
	EROSION CONTROL	1	LS		
310-5120	GR AGGR BASE CRS, 12 INCH, INCL MATL	141	SY		
402-1802	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & HLIME	22	TN		
402-3103	9.5 MM SUPERPAVE	15.47	TN		
402-3121	25 MM SUPERPAVE	46.13	TN		
402-3190	19 MM SUPERPAVE	23.265	TN		
413-0750	TACK COAT	17	GAL		
437-1571	STRAIGHT GRANITE CURB, 5 IN X 17 IN, TP A - SPLIT TOP	685	LF		
441-0104	CONC SIDEWALK, 4 IN	478	SY		
441-0748	CONCRETE MEDIAN, 6 IN	106	SY		
441-7011	CURB CUT WHEELCHAIR RAMP, TYPE A	3	EA		
441-7012	CURB CUT WHEELCHAIR RAMP, TYPE B	2	EA		
441-7014	CURB CUT WHEELCHAIR RAMP, TYPE D	5	EA		
444-1000	SAWED JOINTS IN EXIST PAVEMENTS - PCC	210	LF		
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	13	CY		
550-1150	STORM DRAIN PIPE, 15 IN, H 1-10	71	LF		
607-4100	STONE SEAT WALL	300	SF		
610-0714	REM CONC MEDIAN	470	SY		
610-0400	REM CONC HDR CURB ALL SIZES	320	LF		
610-1005	REM GRANITE CURB ALL SIZES	1756	LF		
610-2815	REM CONC SIDEWALK	239	SY		
610-6515	REM HIGHWAY SIGN, STD	1	EA		
611-3010	RECONSTR DROP INLET, GROUP 1	2	EA		
611-8040	ADJUST DROP INLET TO GRADE	2	EA		
611-8050	ADJUST MANHOLE TO GRADE	3	EA		
611-8140	ADJUST WATER VALVE BOX TO GRADE	2	EA		
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	18	SF		

636-1041	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	135	SF		
636-2070	GALV STEEL POSTS, TP 7	178	LF		
647-1000	TRAFFIC SIGNAL INSTALLATION NO 1	1	LS		
647-1000	RRFB INSTALLATION NO 1 (XWALK ONLY)	1	LS		
647-1000	RRFB INSTALLATION NO 2 (MEDIAN #1)	1	LS		
647-1000	RRFB INSTALLATION NO 3 (MEDIAN #2)	1	LS		
652-9001	TRAFFIC STRIPE, WHITE	102	SY		
652-9002	TRAFFIC STRIPE, YELLOW	196	SY		
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	2	EA		
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	255	LF		
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	7070	LF		
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	92	LF		
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	1550	LF		
653-3502	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	27	GLF		
654-1001	RAISED PVMT MARKERS TP 1 (YELLOW)	350	EA		
654-1003	RAISED PVMT MARKERS TP 3 (RED/CLEAR)	6	EA		
668-2100	DROP INLET, GP 1	3	EA		
700-9300	SOD - ZOYSIA X 'ZEON'	361	SY		
701-9999	WILDFLOWER SEEDING - ROUNDSTONE SEED MIX 199	331	SY		
702-0001	CHASMANTHIUM LATIFOLIUM	9	EA		
702-0002	DESCHAMPNSIA CESPITOSA 'GOLDTAU'	899	EA		
702-0165	CLETHRA ALNIFOLIA	12	EA		
702-0269	FESTUCA GLAUCA 'BEYOND BLUE'	279	EA		
702-0479	ITEA VIRGINICA	14	EA		
702-0528	LAGERSTROEMIA INDICA HYBRIDS	6	EA		
702-0679	MUHLENBERGIA CAPILLARIS 'WHITE CLOUD'	14	EA		
702-9025	LANDSCAPE MULCH	1,233	SY		
708-1000	PLANT TOPSOIL	181	CY		
999-5200	DETECTABLE WARNING SURFACE	185	SF		
	CONC 18" GUTTER TRANSITION	12	SF		
	RELOCATE UTILITY POLE (AT MARTA SHELTER)	1	LS		
	RELOCATE MARTA SHELTER	1	LS		

ADD ALTERNATE - ALL WORK INSIDE CSX ROW - AUTUMN 2019 LET			
150-1000	TRAFFIC CONTROL	1	LS
151-1000	RE-MOBILIZATION	1	LS
210-0100	GRADING COMPLETE	1	LS
	EROSION CONTROL	1	LS
441-4040	CONC VALLEY GUTTER WITH CURB, 6 IN	27	SY
402-3103	9.5 MM SUPERPAVE (FOR PATCHING AT RR XING)	10.7	TN
402-3121	25 MM SUPERPAVE	16.2	TN
402-3190	19 MM SUPERPAVE	8.1	TN
413-0750	TACK COAT	6	GAL
437-1571	STRAIGHT GRANITE CURB, 5 IN X 17 IN, TP A - SPLIT TOP	1669	LF
441-0104	CONC SIDEWALK, 4 IN	1323	SY
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	32	LF
500-3800	CLASS A CONCRETE, INCL REINF STEEL (HEADWALLS)	5	CY
500-9999	CLASS B CONC, BASE OR PVMT WIDENING (CURB BASE)	31	CY
550-1150	STORM DRAIN PIPE, 15 IN, H 1-10 (HDPE)	47	LF
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10 (RCP)	42	LF
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10 (HDPE)	430	LF
550-4215	FLARED END SECTION 15 IN, STORM DRAIN	1	EA
611-3000	RECONSTR CATCH BASIN, GROUP 1	2	EA
641-1100	GUARDRAIL, TP T (UTILITY POLE AT 107+00)	8	LF
643-8300	ORNAMENTAL FENCE	1,517	LF
668-2100	DROP INLET, GP 1	2	EA
700-9300	SOD - ZOYSIA X 'ZEON'	1,069	SY
701-9999	WILDFLOWER SEEDING - ROUNDSTONE SEED MIX 199	1,683	SY
702-0001	CHASMANTHIUM LATIFOLIUM	39	EA
702-0043	AESCULUS PARVIFLORA	20	EA
702-0106	CALLICARPA AMERICANA	30	EA
702-0165	CLETHRA ALNIFOLIA	22	EA
702-0478	ILICIIUM PARVIFLORUM	23	EA
702-0479	ITEA VIRGINICA	24	EA
702-0528	LAGERSTROEMIA X 'BILOXI'	6	EA
702-0679	MUHLENBERGIA CAPILLARIS 'WHITE CLOUD'	355	EA
702-9025	LANDSCAPE MULCH	519	SY
999-5200	DETECTABLE WARNING SURFACE	73	SF
	CONC 18" GUTTER TRANSITION	8	SF
	COORD WITH CONCRETE PANEL RAILROAD CROSSING INSTALLATION BY OTHERS (CSXT)	1	LS
ADDITIONAL ITEMS IF ORDERED BY THE ENGINEER			
	REMOVAL OF UNSUITABLE MATERIAL AND REPLACEMENT WITH SUITABLE EARTH MATERIAL	50	CY
	REMOVAL OF UNSUITABLE MATERIAL AND REPLACEMENT WITH GRADED AGGREGATE BASE	50	CY
310-1101	GR AGGR BASE CRS, INCL MATL	10	TN

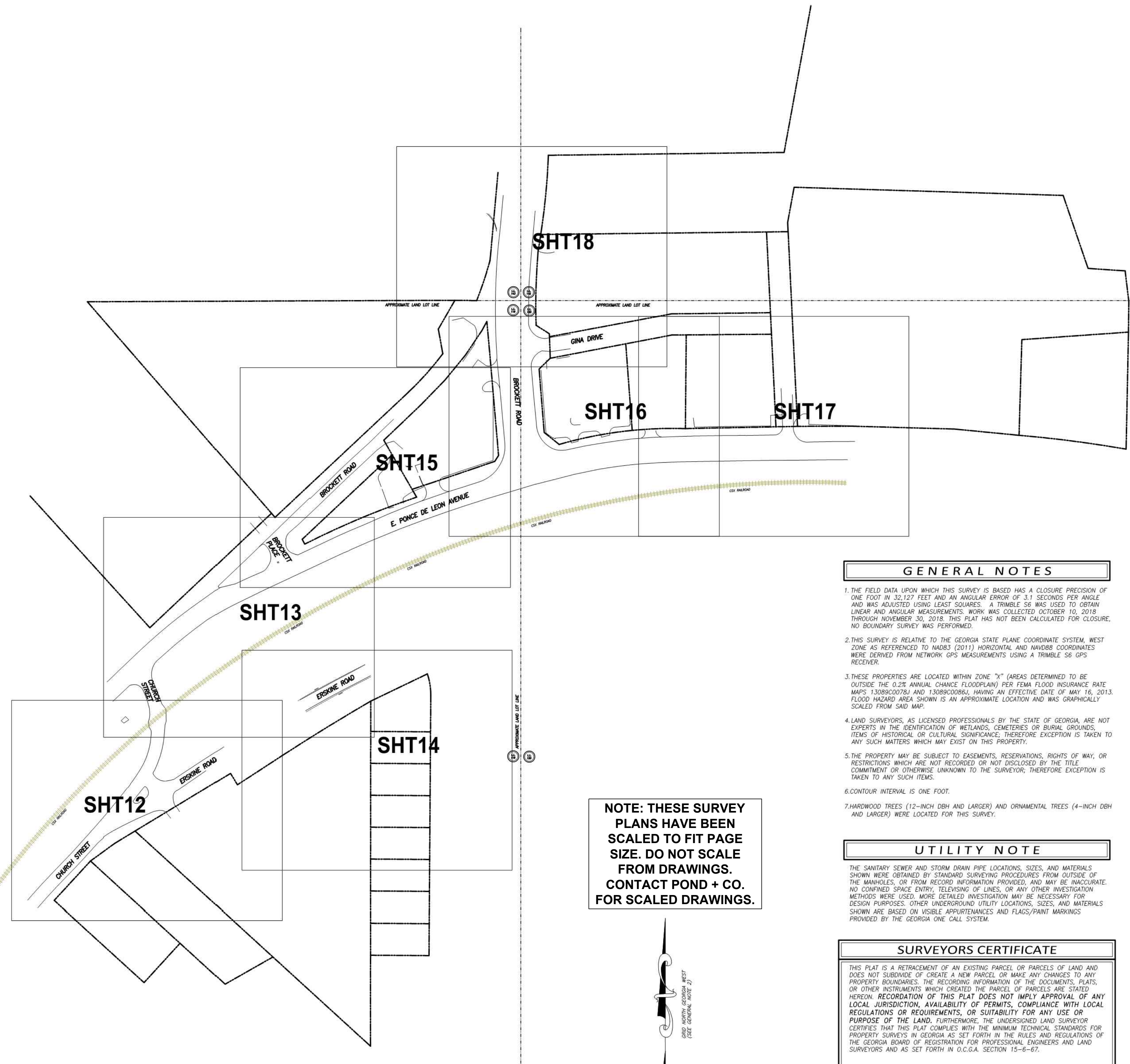
100% SUBMITTAL			
A	DATE: 10/12/2019	MARK	APPR.
	DESIGNED BY: RBJ	DATE: 2/22/2019	
	DWN BY: SFT	SOLICITATION NO.: 19119015404	
	CKD BY: TN	CONTRACT NO.:	
	SUBMITTED BY: TN	FILE NAME:	
	FILE NAME: 06-001.dwg	FILE NUMBER:	
	SIZE: 22" x 34"	PLOT SCALE:	
		PLOT DATE: 02/25/2019	

CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK	 3000 Parkway Lane Suite 500 Clarkston, GA 30009 Phone 678.398.7740 Fax 678.398.7744
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PONCE/CHURCH SIDEWALKS	SUMMARY OF QUANTITIES
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SHEET IDENTIFICATION NUMBER 06-001	100% DRAWINGS
----------------------------------------------	----------------------

THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT



NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

GENERAL NOTES

1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE. NO BOUNDARY SURVEY WAS PERFORMED.
2. THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD83 (2011) HORIZONTAL AND NAVD83 COORDINATES WERE DERIVED FROM NETWORK GPS MEASUREMENTS USING A TRIMBLE S6 GPS RECEIVER.
3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FEMA FLOOD INSURANCE RATE MAPS 130800078A AND 130800081A HAVING AN EFFECTIVE DATE OF MAY 16, 2013. FLOOD HAZARD AREA SHOWN IS AN APPROXIMATE LOCATION AND WAS GRAPHICALLY SCALED FROM SAID MAP.
4. LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF GEORGIA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THIS PROPERTY.
5. THE PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
6. CONTOUR INTERVAL IS ONE FOOT.
7. HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.

UTILITY NOTE

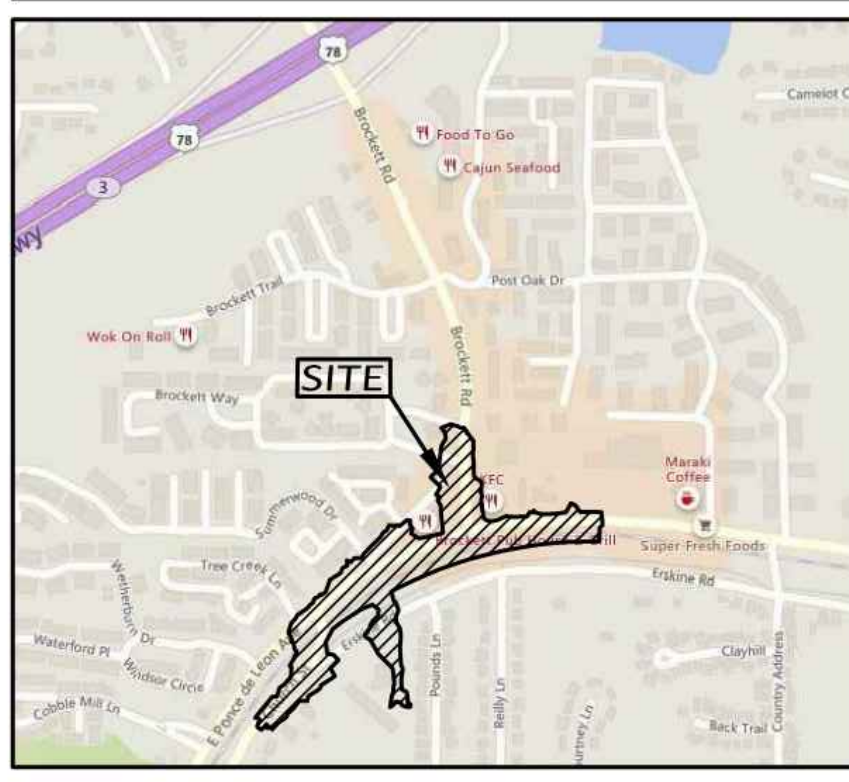
THE SANITARY SEWER AND STORM DRAIN PIPE LOCATIONS, SIZES, AND MATERIALS SHOWN WERE OBTAINED BY STANDARD SURVEYING PROCEDURES FROM OUTSIDE OF THE MANHOLES, OR FROM RECORD INFORMATION PROVIDED, AND MAY BE INACCURATE. NO CONFINED SPACE ENTRY, TELEVISIONING OF LINES, OR ANY OTHER INVESTIGATION METHODS WERE USED. MORE DETAILED INVESTIGATION MAY BE NECESSARY FOR DESIGN PURPOSES. OTHER UNDERGROUND UTILITY LOCATIONS, SIZES, AND MATERIALS SHOWN ARE BASED ON VISIBLE APPURTENANCES AND FLAGS/PAINT MARKINGS PROVIDED BY THE GEORGIA ONE CALL SYSTEM.

SURVEYORS CERTIFICATE

THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OR PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

THOMAS N. TRUE DATE
GA. REG. L.S. NO. 003352

VICINITY MAP - N.T.S.



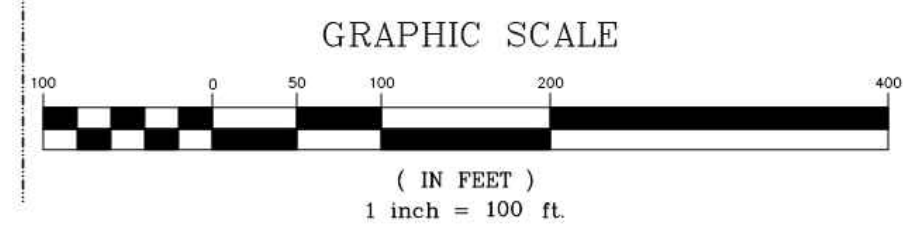
LEGEND

SURVEY CONTROL	TOPOGRAPHIC FEATURES
<ul style="list-style-type: none"> Benchmark Control Point Catch Basin Double-wing Catch Basin Single-wing Curb Inlet Storm Drain Manhole Grease Trap Sanitary Sewer Manhole Cleanout Air Release Valve Sanitary Sewer Force Main Valve Vent 	<ul style="list-style-type: none"> Right-of-Way Monument Found Borehole Mile Post Street Sign Woods Line Air Condition Unit Bollard Corner Column Downspout Mailbox Deciduous Tree/Trunk Size Evergreen Tree/Trunk Size
DRAINAGE	TELEPHONE
<ul style="list-style-type: none"> Water Hydrant Fire Department Connection Irrigation Control Valve Post Indicator Valve Sprinkler Head Water Meter Water Valve Water Valve Marker Well Water Manhole Backflow Preventer Pressure Indicator Valve Air Release Valve Water Vault Stand Pipe 	<ul style="list-style-type: none"> Signal Head Telephone Pole Telephone Manhole Telephone Terminal Box Traffic Signal Box Traffic Signal Pole Underground Cable TV Underground Telephone Box Splice Box Subscriber Loop Carrier Cabinet Phone Booth Cable TV Pedestal
ELECTRIC/POWER	GAS
<ul style="list-style-type: none"> Underground Power Box Electric Box Transformer Underground Electric Manhole Hand Hole Guy Wire Electric Meter Power Pole/Utility Pole Spotlight Street Light/Light Pole 	<ul style="list-style-type: none"> Gas Manhole Gas Pressure Regulator Gas Vault Gas Test Station Petroleum Valve Gas Fill Cap Gas Meter Gas Valve
MISC. UTILITY	
<ul style="list-style-type: none"> Utility Grate Utility Marker 	

LINETYPES

EXISTING OVERHEAD	EXISTING UNDERGROUND
<ul style="list-style-type: none"> Electric Line Electric/Telecommunications Electric/Cable TV Electric/Traffic Control Electric/Telecommunications/Cable TV Electric/Telecommunications/Cable TV/Traffic Control Telecommunications/Traffic Control Telecommunications/Cable TV/Traffic Control Telecommunications/Cable TV Telecommunications/Cable TV Cable TV/Traffic Control 	<ul style="list-style-type: none"> Electric Telecommunications Cable TV Water Sanitary Sewer with Flow Direction Petroleum Traffic Control Storm Sewer Pipe
PROPERTY	FENCE LINES
<ul style="list-style-type: none"> City Limits Line Limited Access Center of Creek Property Line 	<ul style="list-style-type: none"> Barb Wire Fence Chain Link Fence Wood Fence Woven Wire Fence

ABBREVIATIONS	
<ul style="list-style-type: none"> BLA Begin Limited Access B/W Bottom of wall C&G Curb and Gutter CE Construction Easement CMP Corrugated Metal Pipe CO Clean Out CPP Corrugated Plastic Pipe DB Dead Book DIP Ductile Iron Pipe DE Drainage Easement ELA End Limited Access EDI End of Information FES Flared End Section FM Foreman GI Grate Inlet HW Headwall IE Invert Elevation 	<ul style="list-style-type: none"> IPF Iron Pin Found IPS Iron Pin Set L/W Low Wire Elevation MW Monitoring Well N/F Now or Formerly OTP Open Top Pipe PB Plat Book PS Pipe POB Point of Beginning POC Point of Commencement PVC Polyvinyl Chloride Pipe RCP Reinforced Concrete Pipe SSE Sanitary Sewer Easement T/W Top of Wall VCP Vitrified Clay Pipe YI Yard Inlet



TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY
DRAWN BY	LGL
CHECKED BY	JDG
DATE:	12/03/2018
SCALE:	1" = 100'
JOB NO.	18-TP-032
SHEET NUMBER	11
OF 18 SHEETS	

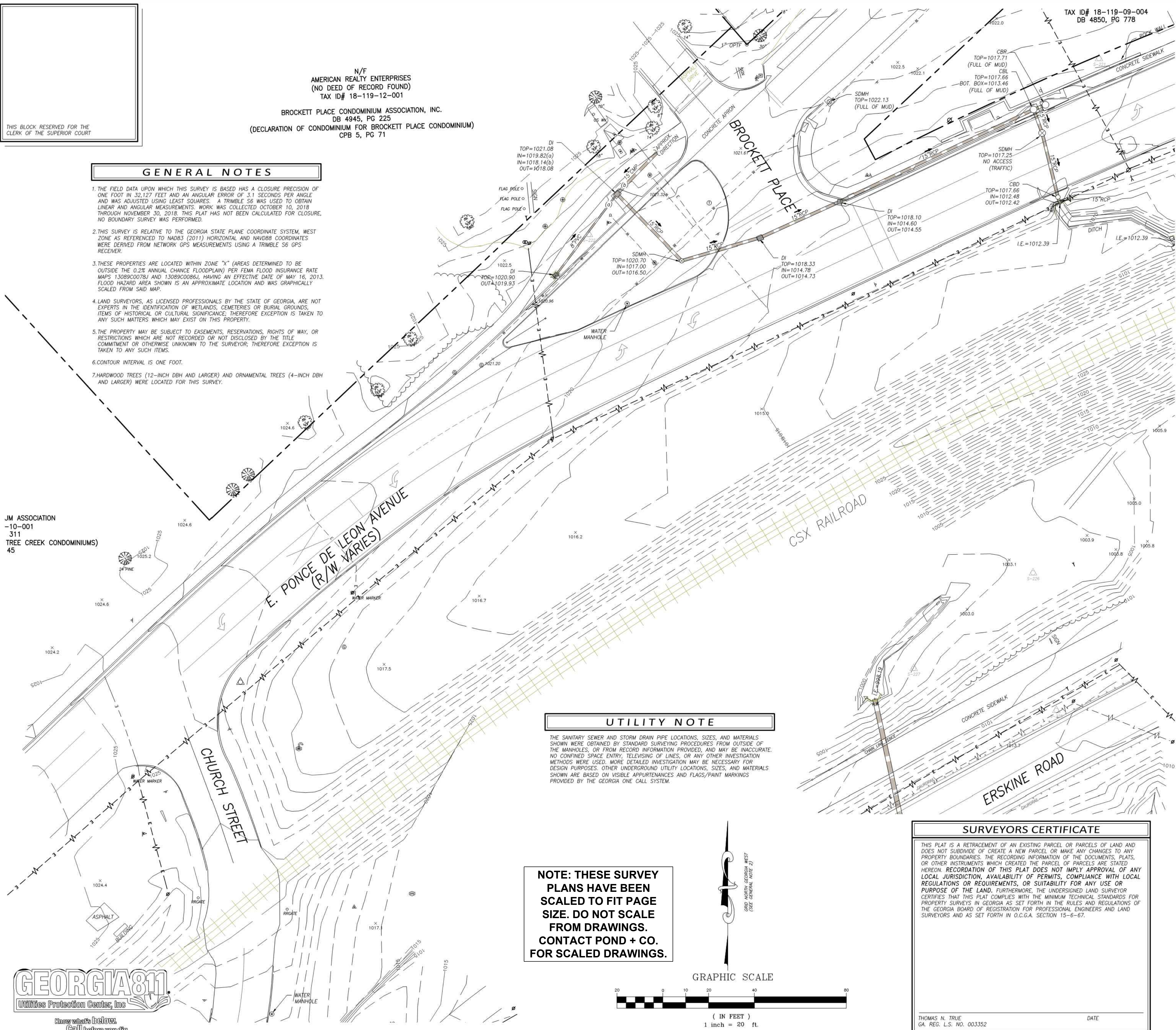
THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

N/F AMERICAN REALTY ENTERPRISES (NO DEED OF RECORD FOUND) TAX ID# 18-119-12-001
BROCKETT PLACE CONDOMINIUM ASSOCIATION, INC. DB 4945, PG 225 (DECLARATION OF CONDOMINIUM FOR BROCKETT PLACE CONDOMINIUM) CPB 5, PG 71

GENERAL NOTES

1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE, NO BOUNDARY SURVEY WAS PERFORMED.
2. THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD83 (2011) HORIZONTAL AND NAVD83 COORDINATES WERE DERIVED FROM NETWORK GPS MEASUREMENTS USING A TRIMBLE S6 GPS RECEIVER.
3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FEMA FLOOD INSURANCE RATE MAPS 13089C00781 AND 13089C00861, HAVING AN EFFECTIVE DATE OF MAY 16, 2013. FLOOD HAZARD AREA SHOWN IS AN APPROXIMATE LOCATION AND WAS GRAPHICALLY SCALED FROM SAID MAP.
4. LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF GEORGIA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE, THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THIS PROPERTY.
5. THE PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
6. CONTOUR INTERVAL IS ONE FOOT.
7. HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.

JM ASSOCIATION
-10-001
311
TREE CREEK CONDOMINIUMS)
45

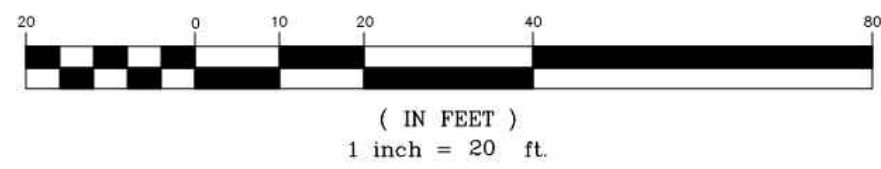


UTILITY NOTE

THE SANITARY SEWER AND STORM DRAIN PIPE LOCATIONS, SIZES, AND MATERIALS SHOWN WERE OBTAINED BY STANDARD SURVEYING PROCEDURES FROM OUTSIDE OF THE MANHOLES, OR FROM RECORD INFORMATION PROVIDED, AND MAY BE INACCURATE. NO CONFINED SPACE ENTRY, TELEVISION OF LINES, OR ANY OTHER INVESTIGATION METHODS WERE USED. MORE DETAILED INVESTIGATION MAY BE NECESSARY FOR DESIGN PURPOSES. OTHER UNDERGROUND UTILITY LOCATIONS, SIZES, AND MATERIALS SHOWN ARE BASED ON VISIBLE APPEARANCES AND FLAGS/PAINT MARKINGS PROVIDED BY THE GEORGIA ONE CALL SYSTEM.

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

GRAPHIC SCALE



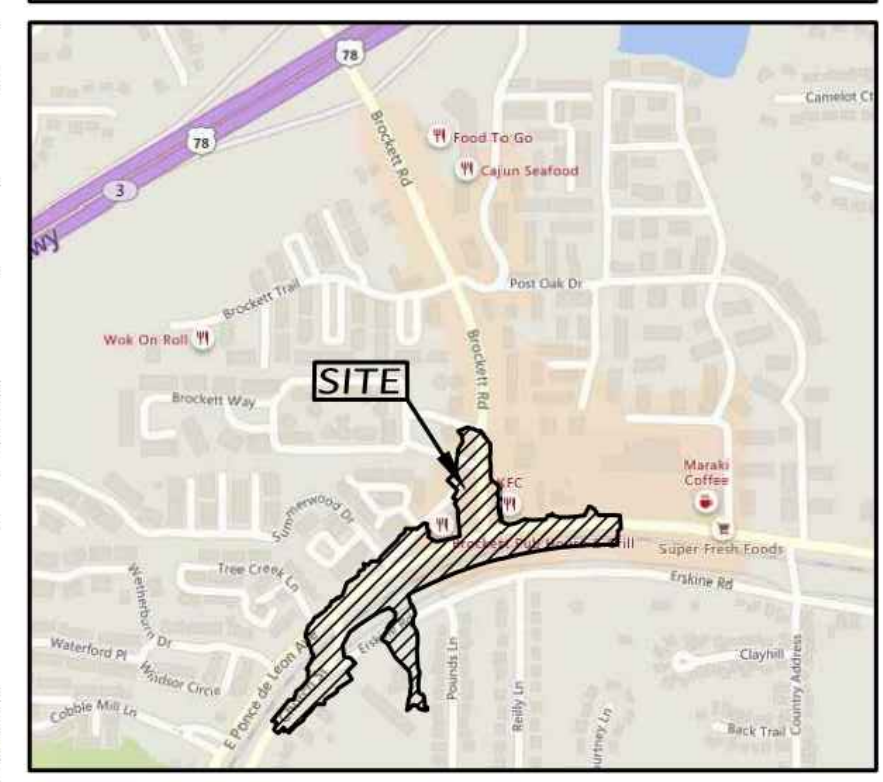
SURVEYORS CERTIFICATE

THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OF PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

THOMAS N. TRUE
GA. REG. L.S. NO. 003352

DATE

VICINITY MAP - N.T.S.



LEGEND

SURVEY CONTROL	TOPOGRAPHIC FEATURES
Benchmark	Right-of-Way Monument Found
Control Point	Borehole
DRAINAGE	Mile Post
Catch Basin Double-wing	Street Sign
Catch Basin Single-wing	Woods Line
Curb Inlet	Air Condition Unit
Drop Inlet	Bollard
Storm Drain Manhole	Camera
SEWER	Column
Grease Trap	Downspout
Sanitary Sewer Manhole	Mailbox
Cleanout	Deciduous Tree/Trunk Size
Air Release Valve	Evergreen Tree/Trunk Size
Sanitary Sewer Force Main Valve	
Vent	
WATER	TELEPHONE
Fire Hydrant	Signal Head
Fire Department Connection	Telephone Pole
Irrigation Control Valve	Telephone Manhole
Post Indicator Valve	Telephone Terminal Box
Sprinkler Head	Traffic Signal Box
Water Meter	Traffic Signal Pole
Water Valve	Underground Cable TV
Water Valve Marker	Underground Telephone Box
Well	Splice Box
Water Manhole	Subscriber Loop Carrier
Backflow Preventer	Cabinet
Pressure Indicator Valve	Phone Booth
Air Release Valve	Cable TV Pedestal
Water Vault	GAS
Stand Pipe	Gas Manhole
ELECTRIC/POWER	Gas Pressure Regulator
Underground Power Box	Gas Vault
Electric Box	Gas Test Station
Transformer	Petroleum Valve
Underground Electric Manhole	Gas Fill Cap
Hand Hole	Gas Meter
Electric Meter	Gas Valve
Power Pole/Utility Pole	MISC. UTILITY
Spotlight	Utility Grate
Street Light/Light Pole	Utility Marker
PROPERTY	FENCE LINES
City Limits Line	Barb Wire Fence
Limited Access	Chain Link Fence
Center of Creek	Wood Fence
Property Line	Woven Wire Fence

LINETYPES

EXISTING OVERHEAD	EXISTING UNDERGROUND
---E--- Electric Line	-----E----- Electric
---E-T--- Electric/Telecommunications	-----E-T----- Electric/Telecommunications
---E-TV--- Electric/Cable TV	-----E-TV----- Cable TV
---E-TV--- Electric/Telecommunications/Cable TV	-----E-TV----- Sanitary Sewer with Flow Direction
---E-TV-TV--- Electric/Telecommunications/Cable TV/Traffic Control	-----E-TV-TV----- Gas
---E-TV-TV-TV--- Electric/Telecommunications/Cable TV/Traffic Control	-----E-TV-TV-TV----- Petroleum
---E-TV-TV-TV-TV--- Electric/Telecommunications/Cable TV/Traffic Control	-----E-TV-TV-TV-TV----- Traffic Control
---E-TV-TV-TV-TV-TV--- Electric/Telecommunications/Cable TV/Traffic Control	-----E-TV-TV-TV-TV-TV----- Storm Sewer Pipe
---E-TV-TV-TV-TV-TV-TV--- Electric/Telecommunications/Cable TV/Traffic Control	

ABBREVIATIONS			
BLA	Begin Limited Access	IPF	Iron Pin Found
B/W	Bottom of wall	IPS	Iron Pin Set
C&G	Curb and Gutter	L/W	Low Wire Elevation
CE	Construction Easement	MW	Monitoring Well
CMP	Corrugated Metal Pipe	N/F	Now or Formerly
CO	Clean Out	OTP	Open Top Pipe
CPP	Corrugated Plastic Pipe	PB	Plot Book
DB	Deed Book	PG	Page
DIP	Ductile Iron Pipe	POB	Point of Beginning
DE	Drainage Easement	POC	Point of Commencement
ELA	End Limited Access	PVC	Polyvinyl Chloride Pipe
EI	End of Information	RCP	Reinforced Concrete Pipe
FES	Flared End Section	SSE	Sanitary Sewer Easement
FM	Foreman	T/W	Top of Wall
GI	Grate Inlet	VCP	Vertified Clay Pipe
HW	Headwall	YI	Yard Inlet
I.E.	Invert Elevation		

TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS

NO.	DESCRIPTION	DATE	BY

DRAWN BY **LGL**

CHECKED BY **JDG**

DATE: **12/03/2018**

SCALE: **1"= 20'**

JOB No. **18-TP-032**

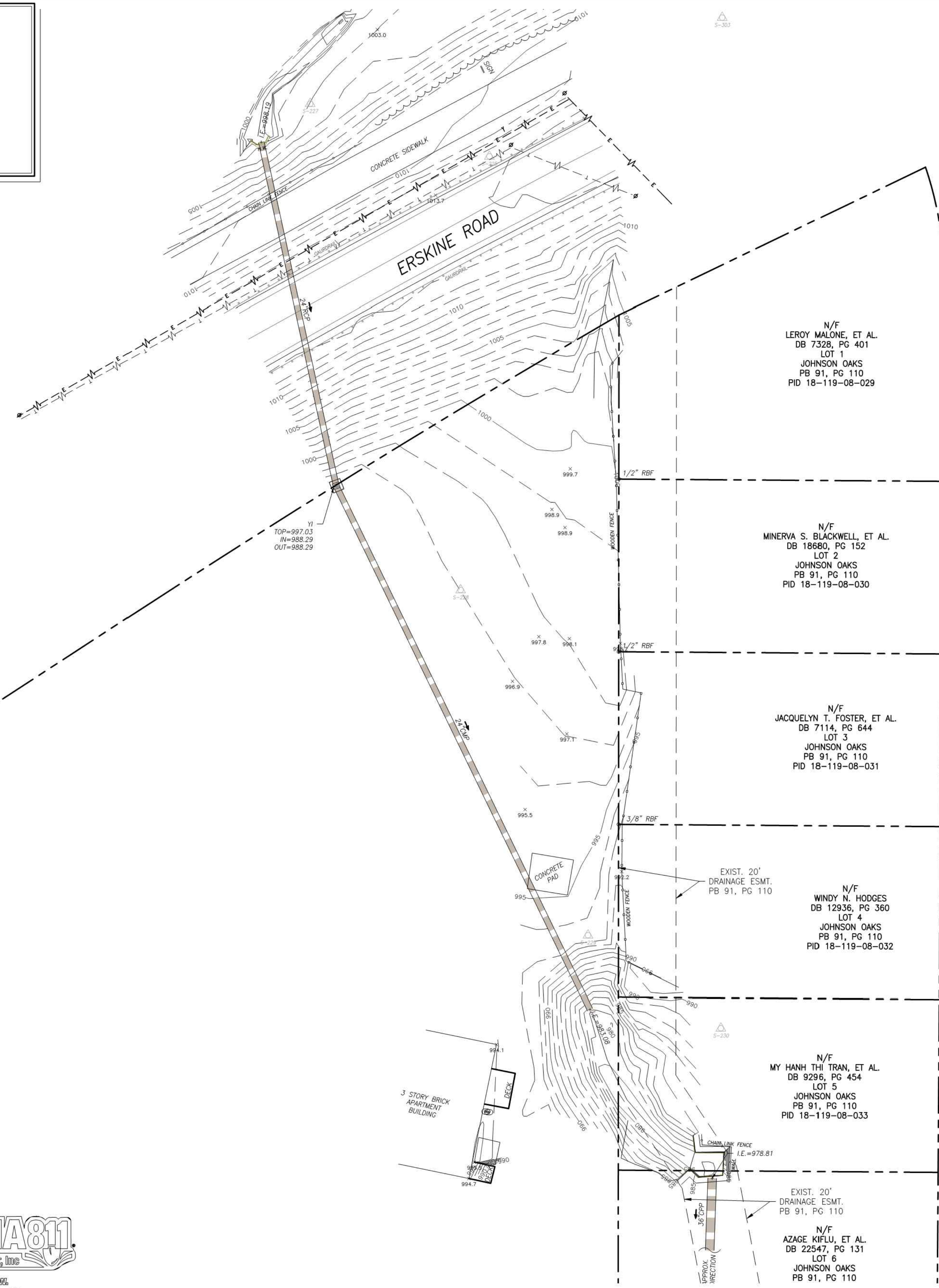
SHEET NUMBER

13

OF 18 SHEETS



THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT



N/F LEROY MALONE, ET AL. DB 7328, PG 401 LOT 1 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-029

N/F MINERVA S. BLACKWELL, ET AL. DB 18680, PG 152 LOT 2 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-030

N/F JACQUELYN T. FOSTER, ET AL. DB 7114, PG 644 LOT 3 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-031

N/F WINDY N. HODGES DB 12936, PG 454 LOT 4 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-032

N/F MY HANH THI TRAN, ET AL. DB 9296, PG 454 LOT 5 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-033

N/F AZAGE KIFLU, ET AL. DB 22547, PG 131 LOT 6 JOHNSON OAKS PB 91, PG 110

GENERAL NOTES

- 1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET... 2. THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM... 3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)...

UTILITY NOTE

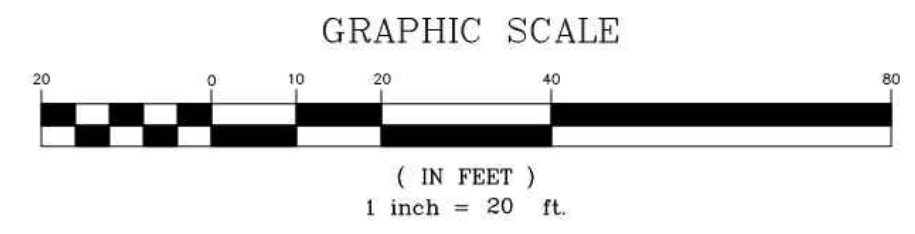
THE SANITARY SEWER AND STORM DRAIN PIPE LOCATIONS, SIZES, AND MATERIALS SHOWN WERE OBTAINED BY STANDARD SURVEYING PROCEDURES FROM OUTSIDE OF THE MANHOLES...

SURVEYORS CERTIFICATE

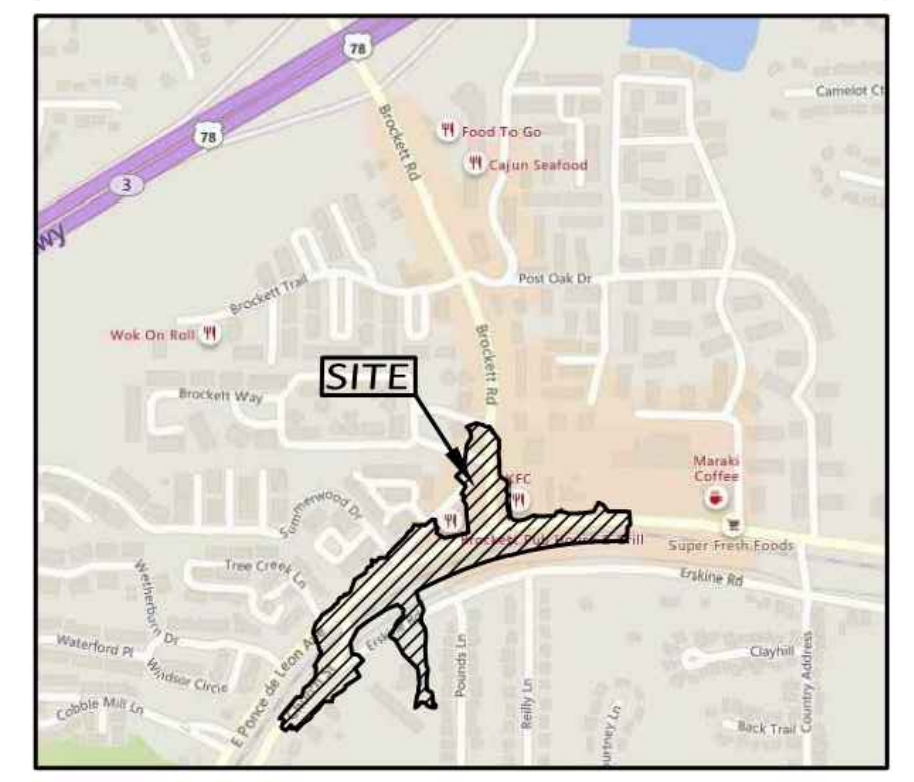
THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY PROPERTY BOUNDARIES...

THOMAS N. TRUE DATE GA. REG. L.S. NO. 003352

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.



VICINITY MAP - N.T.S.



LEGEND

Table with columns for SURVEY CONTROL, DRAINAGE, SEWER, WATER, TELEPHONE, and MISC. UTILITY, listing various symbols and their corresponding features.

Table with columns for WATER, TELEPHONE, GAS, ELECTRIC/POWER, and MISC. UTILITY, listing various symbols and their corresponding features.

LINETYPES

Table with columns for EXISTING OVERHEAD and EXISTING UNDERGROUND, listing line styles and their corresponding utility types.

Table with columns for PROPERTY and FENCE LINES, listing line styles and their corresponding utility types.

Table with columns for ABBREVIATIONS, listing symbols and their corresponding utility types.



TOPOGRAPHIC SURVEY FOR: CITY OF CLARKSTON, GEORGIA LAND LOTS 96, 97, 119, 120, 142 & 143 18TH LAND DISTRICT DEKALB COUNTY, GEORGIA

Table with columns for REVISIONS and BY, showing a grid for tracking changes.

DRAWN BY LGL CHECKED BY JDG DATE: 12/03/2018 SCALE: 1" = 20' JOB No. 18-TP-032 SHEET NUMBER 14 OF 18 SHEETS



USDA www.nrcs.usda.gov - Dec 04, 2018 - 2:59 pm 2.7M Project Data\Projects\2018\18-TP-032_01\MSD.dwg

THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

SURVEYORS CERTIFICATE

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N/F
McCAR DEVELOPMENT CORP.
TAX ID# 18-119-14-011
DB 15106, PG 46
PB 151, PG 83

THOMAS N. TRUE
GA. REG. L.S. NO. 003352

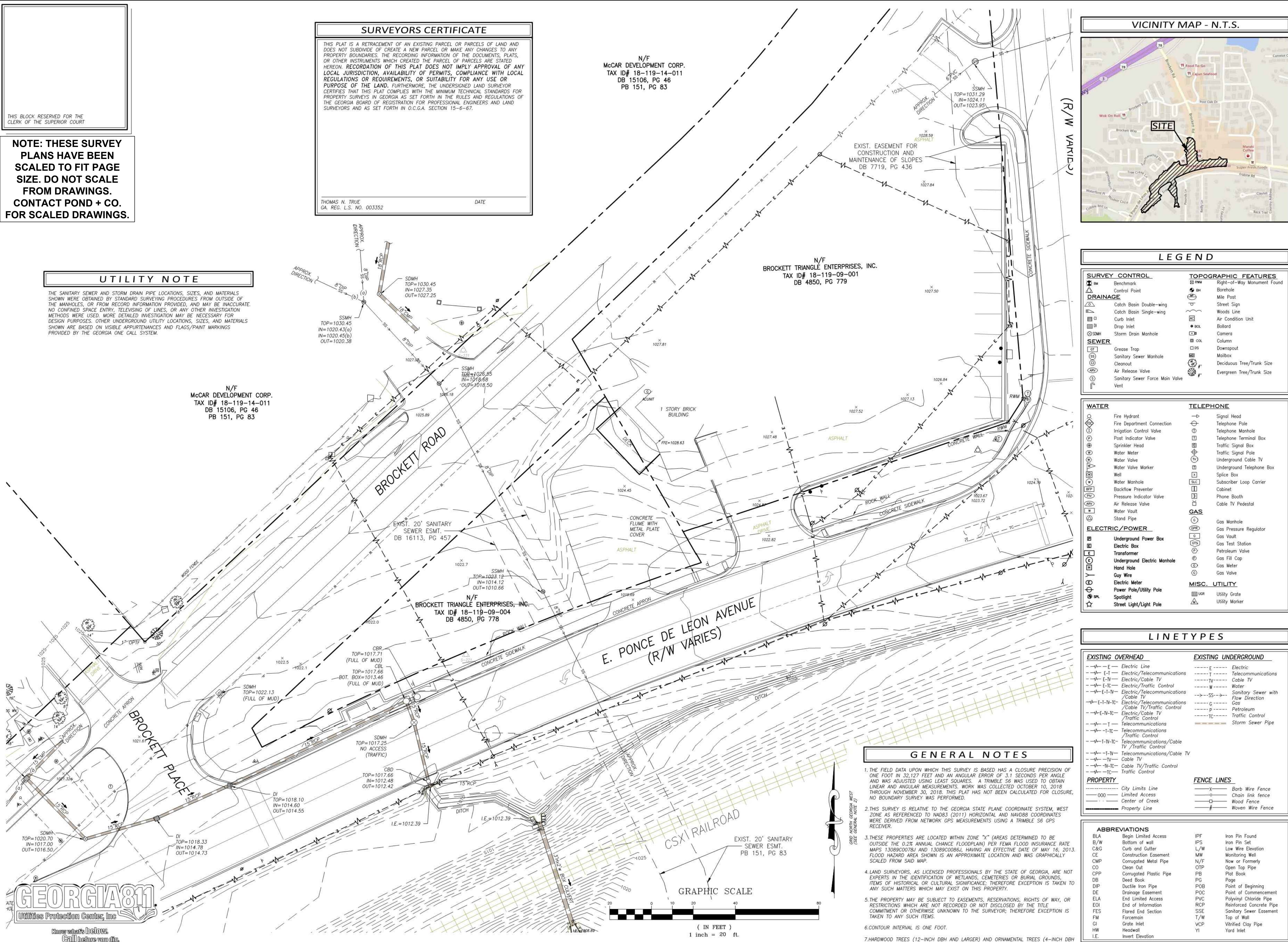
UTILITY NOTE

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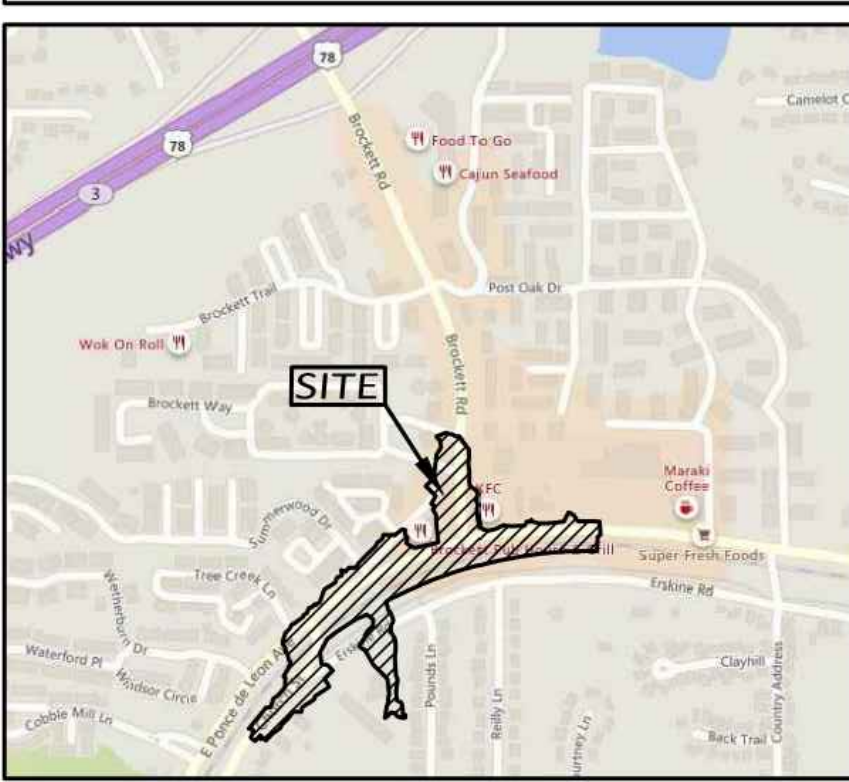
N/F
McCAR DEVELOPMENT CORP.
TAX ID# 18-119-14-011
DB 15106, PG 46
PB 151, PG 83

N/F
BROCKETT TRIANGLE ENTERPRISES, INC.
TAX ID# 18-119-09-001
DB 4850, PG 779

N/F
BROCKETT TRIANGLE ENTERPRISES, INC.
TAX ID# 18-119-09-004
DB 4850, PG 778



VICINITY MAP - N.T.S.



LEGEND

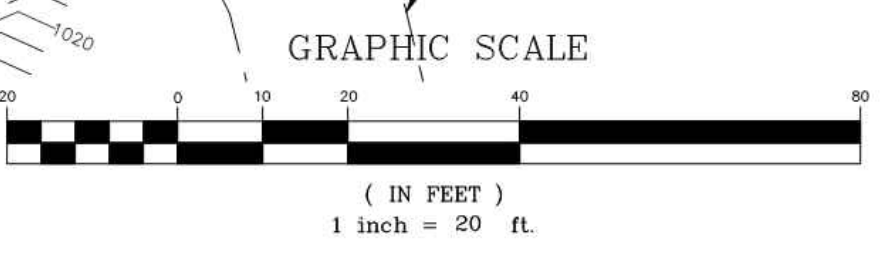
SURVEY CONTROL	TOPOGRAPHIC FEATURES
Control Point	Borehole
Drainage	Mile Post
Sanitary Sewer	Street Sign
Water	Woods Line
Electric/Power	Air Condition Unit
Telephone	Camera
Misc. Utility	Column
	Downspout
	Mailbox
	Deciduous Tree/Trunk Size
	Evergreen Tree/Trunk Size

LINETYPES

EXISTING OVERHEAD	EXISTING UNDERGROUND
Electric Line	Electric
Electric/Telecommunications	Telecommunications
Electric/Cable TV	Cable TV
Electric/Traffic Control	Water
Electric/Telecommunications/Cable TV/Traffic Control	Sanitary Sewer with Flow Direction
Electric/Telecommunications/Cable TV/Traffic Control	Gas
Electric/Cable TV/Traffic Control	Petroleum
Telecommunications	Traffic Control
Telecommunications/Traffic Control	Storm Sewer Pipe
Telecommunications/Cable TV/Traffic Control	
Telecommunications/Cable TV	
Cable TV	
Cable TV/Traffic Control	
Traffic Control	
PROPERTY	FENCE LINES
City Limits Line	Barb Wire Fence
Limited Access	Chain Link Fence
Center of Gress	Wood Fence
Property Line	Woven Wire Fence

GENERAL NOTES

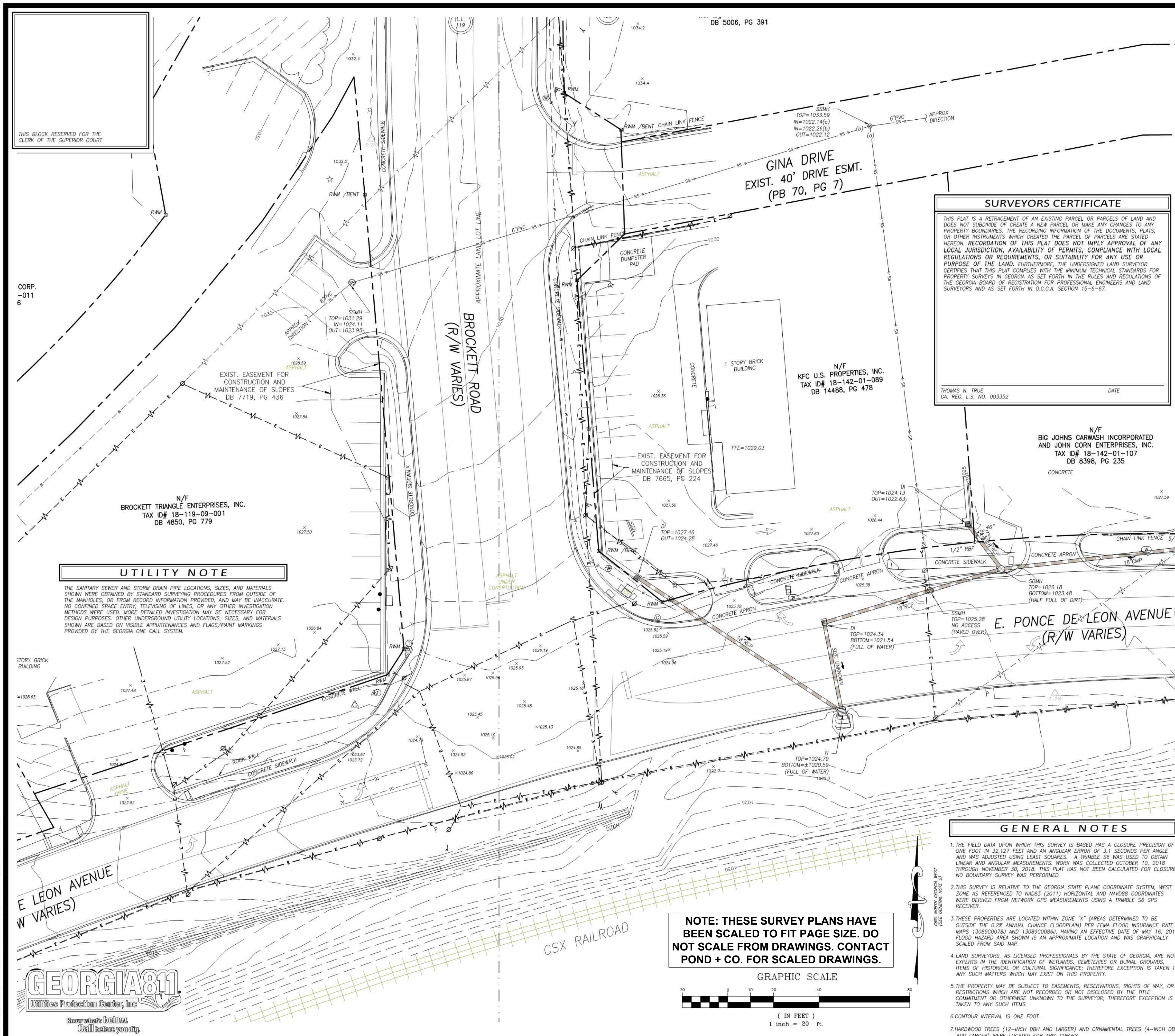
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- THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD83 (2011) HORIZONTAL AND NAVD83 COORDINATES WERE DERIVED FROM NETWORK GPS MEASUREMENTS USING A TRIMBLE S6 GPS RECEIVER.
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- HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.



TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY	LGL
CHECKED BY	JDG
DATE:	12/03/2018
SCALE:	1" = 20'
JOB No.	18-TP-032
SHEET NUMBER	15
OF 18 SHEETS	



THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

CORP. -011 6

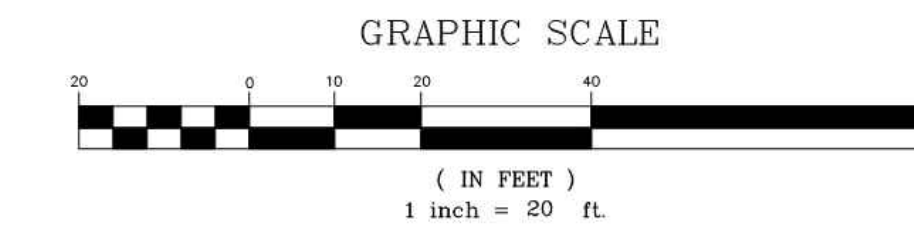
N/F BROCKETT TRIANGLE ENTERPRISES, INC. TAX ID# 18-119-09-001 DB 4850, PG 779

UTILITY NOTE
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E LEON AVENUE (R/W VARIES)



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SURVEYORS CERTIFICATE
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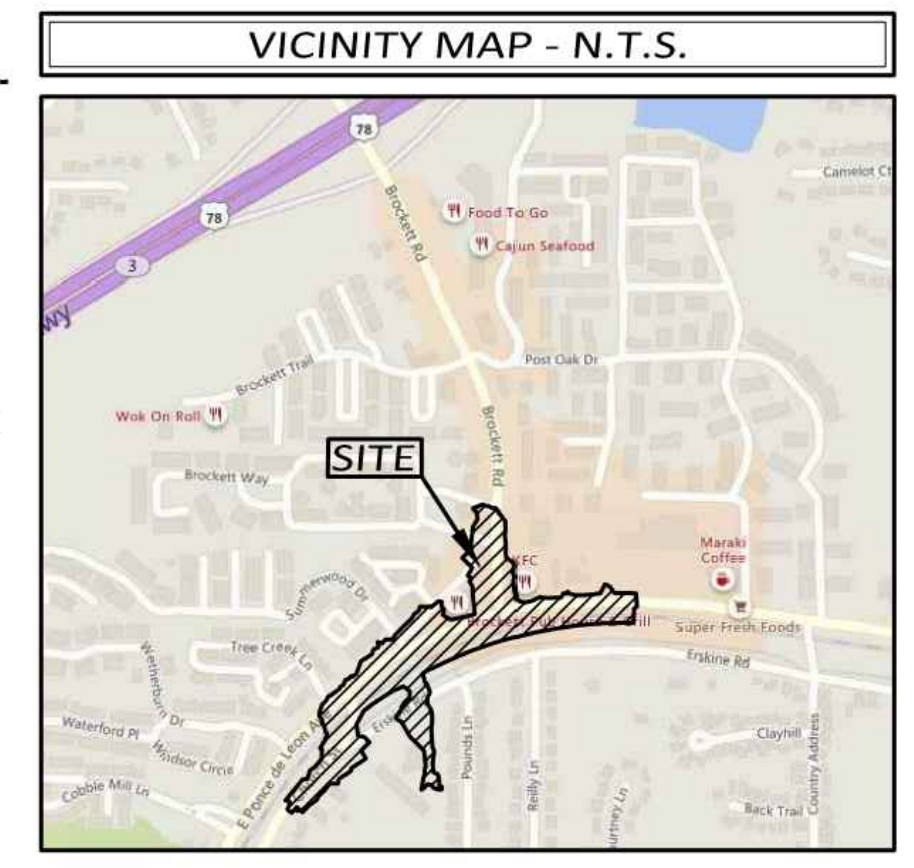
THOMAS N. TRUE DATE
GA. REG. L.S. NO. 003352

N/F BIG JOHNS CARWASH INCORPORATED AND JOHN CORN ENTERPRISES, INC. TAX ID# 18-142-01-107 DB 8398, PG 235

E. PONCE DE LEON AVENUE (R/W VARIES)

GENERAL NOTES

- THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE, NO BOUNDARY SURVEY WAS PERFORMED.
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- CONTOUR INTERVAL IS ONE FOOT.
- HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.



LEGEND

SURVEY CONTROL		TOPOGRAPHIC FEATURES	
Control Point	Borehole	Mile Post	Street Sign
Catch Basin Double-wing	Catch Basin Single-wing	Woods Line	Air Condition Unit
Curb Inlet	Drop Inlet	Bollard	Camera
Storm Drain Manhole	Grease Trap	Column	Downspout
Sanitary Sewer Manhole	Cleanout	Air Release Valve	Mailbox
Sanitary Sewer Force Main Valve	Vent	Sanitary Sewer Force Main Valve	Deciduous Tree/Trunk Size
			Evergreen Tree/Trunk Size

WATER		TELEPHONE	
Fire Hydrant	Fire Department Connection	Signal Head	Telephone Pole
Trigulation Control Valve	Post Indicator Valve	Telephone Manhole	Telephone Terminal Box
Sprinkler Head	Water Meter	Traffic Signal Box	Traffic Signal Pole
Water Valve	Water Valve Marker	Underground Cable TV	Underground Telephone Box
Well	Water Manhole	Splice Box	Subscriber Loop Carrier
Backflow Preventer	Pressure Indicator Valve	Cabinet	Phone Booth
Air Release Valve	Water Vault	Cable TV Pedestal	Cable TV Pedestal
Stand Pipe			
ELECTRIC/POWER		GAS	
Underground Power Box	Electric Box	Cap Manhole	Gas Pressure Regulator
Transformer	Underground Electric Manhole	Gas Vault	Gas Test Station
Hand Hole	Guy Wire	Petroleum Valve	Gas Fill Cap
Electric Meter	Power Pole/Utility Pole	Gas Meter	Gas Valve
Spotlight	Street Light/Light Pole		
MISC. UTILITY			
Utility Grate	Utility Marker		

LINETYPES

EXISTING OVERHEAD		EXISTING UNDERGROUND	
Electric Line	Electric/Telecommunications	Electric	Telecommunications
Electric/Cable TV	Electric/Traffic Control	Cable TV	Cable TV
Electric/Traffic Control	Electric/Telecommunications/Cable TV	Water	Water
Electric/Telecommunications/Cable TV	Electric/Telecommunications/Cable TV/Traffic Control	Sanitary Sewer with Flow Direction	Sanitary Sewer with Flow Direction
Electric/Cable TV/Traffic Control	Telecommunications	Gas	Gas
Telecommunications	Telecommunications/Cable TV/Traffic Control	Petroleum	Petroleum
Telecommunications/Cable TV/Traffic Control	Telecommunications/Cable TV/Traffic Control	Traffic Control	Traffic Control
Telecommunications/Cable TV/Traffic Control	Telecommunications/Cable TV/Traffic Control	Storm Sewer Pipe	Storm Sewer Pipe
Telecommunications/Cable TV/Traffic Control	Telecommunications/Cable TV/Traffic Control		
PROPERTY		FENCE LINES	
City Limits Line	Limited Access	Barb Wire Fence	Chain Link Fence
Center of Creek	Property Line	Wood Fence	Woven Wire Fence

ABBREVIATIONS

BLA	Begin Limited Access	IPF	Iron Pin Found
B/W	Bottom of wall	IPS	Iron Pin Set
C&G	Curb and Gutter	L/W	Low Wire Elevation
CE	Construction Easement	M/W	Monitoring Well
CMP	Corrugated Metal Pipe	N/F	Now or Formerly
CO	Clean Out	OTF	Open Top Pipe
CPP	Corrugated Plastic Pipe	PB	Plat Book
DB	Deed Book	PG	Page
DIP	Ductile Iron Pipe	POB	Point of Beginning
DE	Drainage Easement	POC	Point of Commencement
ELA	End Limited Access	PVC	Polyvinyl Chloride Pipe
EOL	End of Information	RCP	Reinforced Concrete Pipe
FES	Flared End Section	SSE	Sanitary Sewer Easement
FM	Foreman	T/W	Top of Wall
GI	Grate Inlet	VCP	Vitrified Clay Pipe
HW	Headwall	VI	Yard Inlet
I.E.	Invert Elevation		

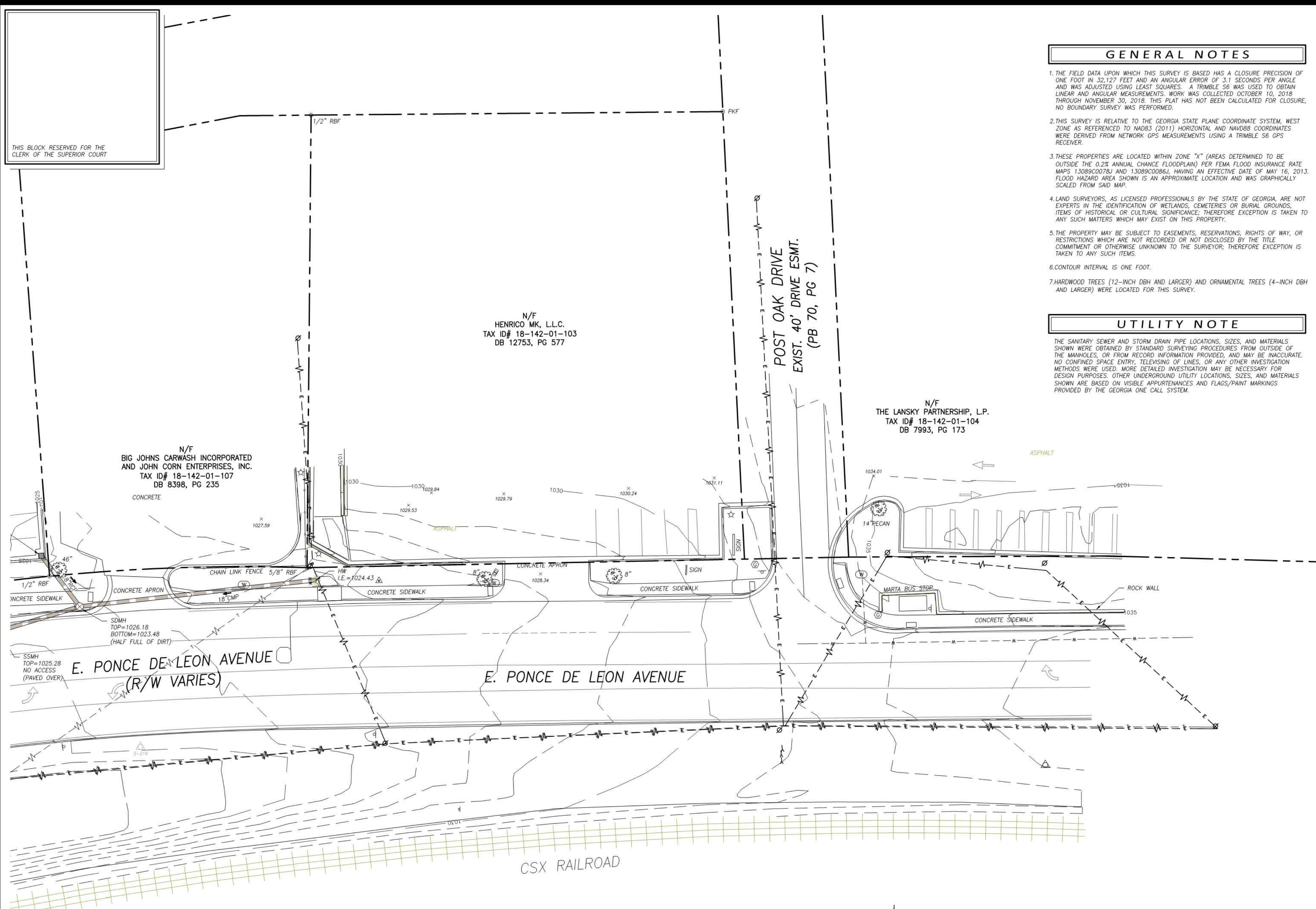
WOLVERTON
Engineering Solutions You Can Trust
6745 Superfund Parkway • Suite 100 • Duluth, Georgia 30097
Phone: 770-447-9899
www.wolverton.com

TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY **LGL**
CHECKED BY **JDG**
DATE: **12/03/2018**
SCALE: **1"= 20'**
JOB No. **18-TP-032**
SHEET NUMBER **16**
OF 18 SHEETS

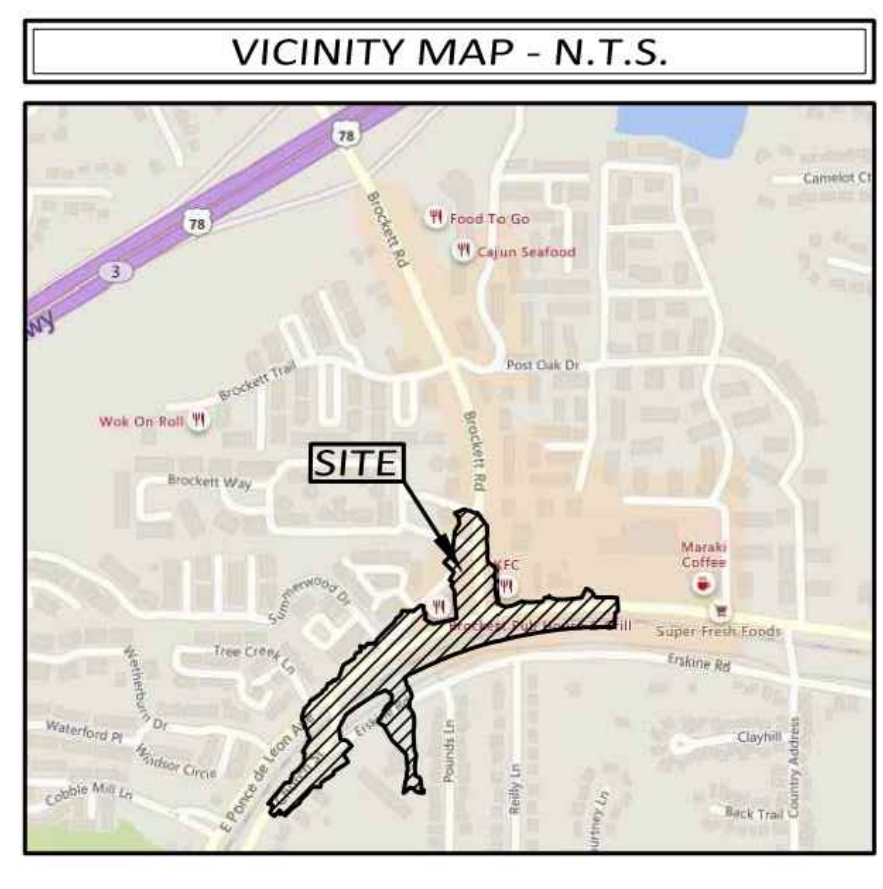
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- ### GENERAL NOTES
1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.11 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAN HAS NOT BEEN CALCULATED FOR CLOSURE. NO BOUNDARY SURVEY WAS PERFORMED.
 2. THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD83 (2011) HORIZONTAL AND NAVD83 COORDINATES WERE DERIVED FROM NETWORK GPS MEASUREMENTS USING A TRIMBLE S6 GPS RECEIVER.
 3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FEMA FLOOD INSURANCE RATE MAPS 1308900079I AND 1308900081I HAVING AN EFFECTIVE DATE OF MAY 16, 2013. FLOOD HAZARD AREA SHOWN IS AN APPROXIMATE LOCATION AND WAS GRAPHICALLY SCALED FROM SAID MAP.
 4. LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF GEORGIA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE. THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THIS PROPERTY.
 5. THE PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
 6. CONTOUR INTERVAL IS ONE FOOT.
 7. HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.

UTILITY NOTE

THE SANITARY SEWER AND STORM DRAIN PIPE LOCATIONS, SIZES, AND MATERIALS SHOWN WERE OBTAINED BY STANDARD SURVEYING PROCEDURES FROM OUTSIDE OF THE MANHOLES, OR FROM RECORD INFORMATION PROVIDED, AND MAY BE INACCURATE. NO CONFINED SPACE ENTRY, TELEVISION OF LINES, OR ANY OTHER INVESTIGATION METHODS WERE USED. MORE DETAILED INVESTIGATION MAY BE NECESSARY FOR DESIGN PURPOSES. OTHER UNDERGROUND UTILITY LOCATIONS, SIZES, AND MATERIALS SHOWN ARE BASED ON VISIBLE APPEARANCES AND FLAGS/PAINT MARKINGS PROVIDED BY THE GEORGIA ONE CALL SYSTEM.



LEGEND

SURVEY CONTROL	TOPOGRAPHIC FEATURES
BM Benchmark	RMW Right-of-Way Monument Found
CP Control Point	BH Borehole
DRAINAGE	MP Mile Post
CB Catch Basin Double-wing	SS Street Sign
CS Catch Basin Single-wing	WL Woods Line
CI Curb Inlet	AC Air Condition Unit
DI Drop Inlet	BOLL Bollard
SDM Storm Drain Manhole	CA Camera
SEWER	CO Column
GT Grease Trap	DS Downspout
SM Sanitary Sewer Manhole	MB Mailbox
CN Cleanout	DT Deciduous Tree/Trunk Size
AV Air Release Valve	ET Evergreen Tree/Trunk Size
SMV Sanitary Sewer Force Main Valve	
V Vent	

WATER	TELEPHONE
FH Fire Hydrant	SH Signal Head
FD Fire Department Connection	TP Telephone Pole
ICV Irrigation Control Valve	TM Telephone Manhole
PIV Post Indicator Valve	TT Telephone Terminal Box
SH Sprinkler Head	TS Traffic Signal Box
WM Water Meter	TSB Traffic Signal Pole
WV Water Valve	UC Undergound Cable TV
WVM Water Valve Marker	UG Undergound Telephone Box
WM Water Manhole	SB Splice Box
BP Backflow Preventer	SL Subscriber Loop Carrier
PIV Pressure Indicator Valve	C Cabinet
AV Air Release Valve	PB Phone Booth
WV Water Vault	CP Cable TV Pedestal
SP Stand Pipe	
ELECTRIC/POWER	GAS
UB Underground Power Box	GM Gas Manhole
EB Electric Box	GR Gas Pressure Regulator
TR Transformer	GV Gas Vault
UEM Underground Electric Manhole	GS Gas Test Station
HW Hand Hole	PV Petroleum Valve
GW Guy Wire	GC Gas Fill Cap
EM Electric Meter	GM Gas Meter
PP Power Pole/Utility Pole	GV Gas Valve
WV Water Vault	MISC. UTILITY
SL Street Light/Light Pole	UG Utility Grate
	UM Utility Marker

LINETYPES

EXISTING OVERHEAD	EXISTING UNDERGROUND
—E— Electric Line	---E--- Electric
---E-T--- Electric/Telecommunications	---T--- Telecommunications
---E-TV--- Electric/Cable TV	---TV--- Cable TV
---E-TC--- Electric/Traffic Control	---W--- Water
---E-TV-TC--- Electric/Telecommunications/Cable TV	---SS--- Sanitary Sewer with Flow Direction
---E-TV-TC--- Electric/Telecommunications/Cable TV/Traffic Control	---G--- Gas
---E-TV-TC--- Electric/Cable TV/Traffic Control	---P--- Petroleum
---T--- Telecommunications	---TC--- Traffic Control
---T-TV--- Telecommunications/Cable TV	---S--- Storm Sewer Pipe
---T-TV-TC--- Telecommunications/Cable TV/Traffic Control	
---TV--- Cable TV	
---TV-TC--- Cable TV/Traffic Control	
---TC--- Traffic Control	
PROPERTY	FENCE LINES
---000--- City Limits Line	---B--- Barb Wire Fence
---LA--- Limited Access	---CL--- Chain Link Fence
---C--- Center of Creek	---W--- Wood Fence
---P--- Property Line	---WV--- Woven Wire Fence

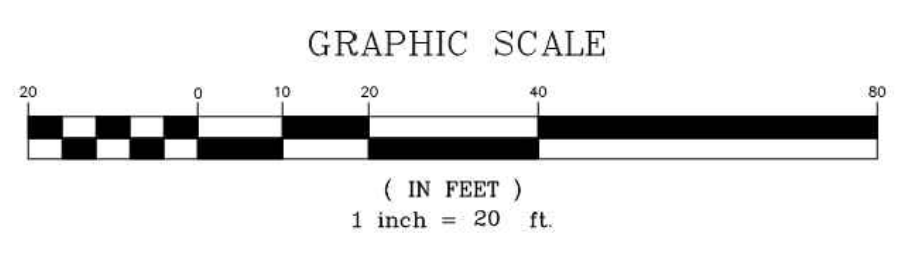
SURVEYORS CERTIFICATE

THIS PLAN IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OR PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAN DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAN COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

THOMAS N. TRUE
GA. REG. L.S. NO. 003352

DATE

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.



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TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY **LGL**
CHECKED BY **JDG**
DATE: **12/03/2018**
SCALE: **1"= 20'**
JOB No. **18-TP-032**
SHEET NUMBER **17**
OF 18 SHEETS



1/28/2018 09:00 AM - 04/04/2018 - 3:00 PM
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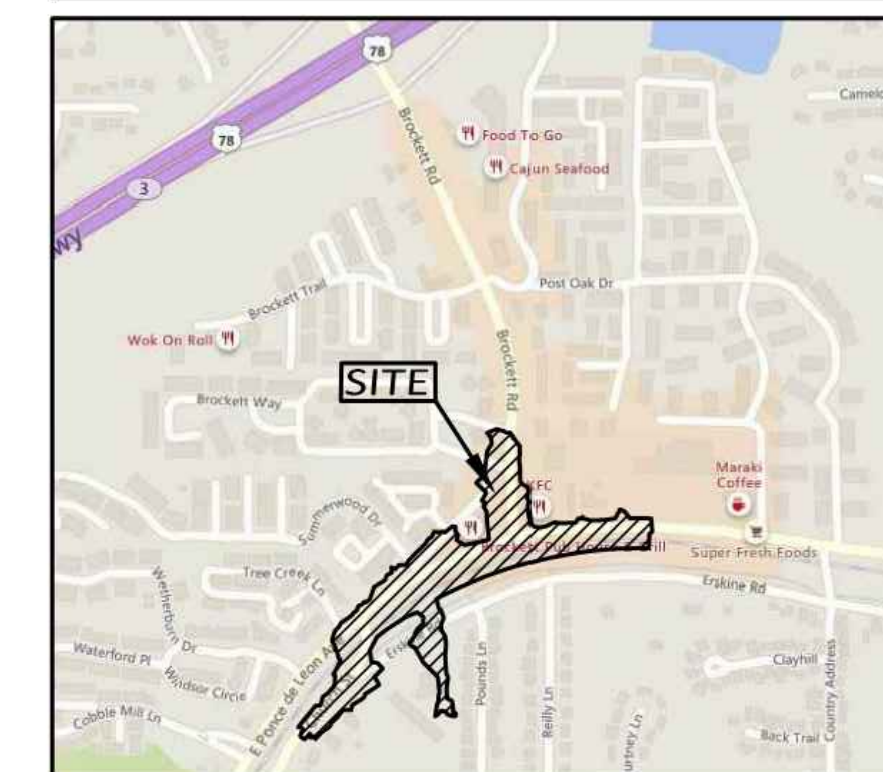
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VICINITY MAP - N.T.S.



LEGEND

SURVEY CONTROL	TOPOGRAPHIC FEATURES
Control Point	Borehole
Catch Basin Double-wing	Mile Post
Catch Basin Single-wing	Street Sign
Curb Inlet	Woods Line
Drop Inlet	Air Condition Unit
Storm Drain Manhole	Column
Grease Trap	Downspout
Sanitary Sewer Manhole	Mailbox
Cleanout	Deciduous Tree/Trunk Size
Air Release Valve	Evergreen Tree/Trunk Size
Sanitary Sewer Force Main Valve	
Vent	

WATER	TELEPHONE
Fire Hydrant	Signal Head
Fire Department Connection	Telephone Pole
Irrigation Control Valve	Telephone Manhole
Post Indicator Valve	Telephone Terminal Box
Sprinkler Head	Traffic Signal Box
Water Meter	Traffic Signal Pole
Water Valve	Underground Cable TV
Water Valve Marker	Underground Telephone Box
Well	Splice Box
Water Manhole	Subscriber Loop Carrier
Backflow Preventer	Cabinet
Pressure Indicator Valve	Phone Booth
Air Release Valve	Cable TV Pedestal
Water Vault	
Stand Pipe	
	GAS
	Gas Manhole
	Gas Pressure Regulator
	Gas Vault
	Gas Test Station
	Petroleum Valve
	Gas Fill Cap
	Gas Meter
	Gas Valve
	MISC. UTILITY
	Utility Grate
	Utility Marker

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THOMAS N. TRUE
GA. REG. L.S. NO. 003352

N/F
REPUBLIC PORTOFINO APARTMENTS, L.P.
TAX ID# 18-143-08-005
DB 25378, PG 525

N/F
NETZ FUND SILVER OAKS LLC
TAX ID# 18-142-01-013
DB 25410, PG 443

EXIST. EASEMENT FOR CONSTRUCTION AND MAINTENANCE OF SLOPES
DB 7704, PG 375

EXIST. EASEMENT FOR CONSTRUCTION AND MAINTENANCE OF SLOPES
DB 7604, PG 448

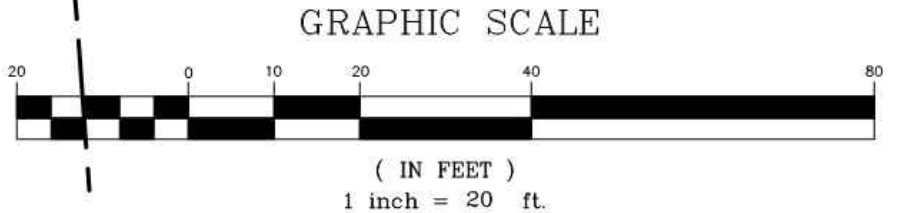
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DEKALB COUNTY
TAX ID# 18-142-01-098
DB 5006, PG 391

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

LINETYPES

EXISTING OVERHEAD	EXISTING UNDERGROUND
Electric Line	Electric
Electric/Telecommunications	Telecommunications
Electric/Cable TV	Cable TV
Electric/Traffic Control	Water
Electric/Telecommunications/Cable TV	Sanitary Sewer with Flow Direction
Electric/Telecommunications/Cable TV/Traffic Control	Gas
Electric/Cable TV/Traffic Control	Petroleum
Telecommunications	Traffic Control
Telecommunications/Cable TV/Traffic Control	Storm Sewer Pipe
Telecommunications/Cable TV	
Cable TV/Traffic Control	
Traffic Control	
PROPERTY	FENCE LINES
City Limits Line	Barb Wire Fence
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ABBREVIATIONS	
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HW	Headwall
I/E	Invert Elevation
IPF	Iron Pin Found
IPS	Iron Pin Set
L/W	Low Wire Elevation
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N/F	Now or Formerly
OTP	Open Top Pipe
PB	Plot Book
PG	Pipe
POB	Point of Beginning
POC	Point of Commencement
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe
SSE	Sanitary Sewer Easement
T/W	Top of Wall
VCP	Vitrified Clay Pipe
YI	Yard Inlet



TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

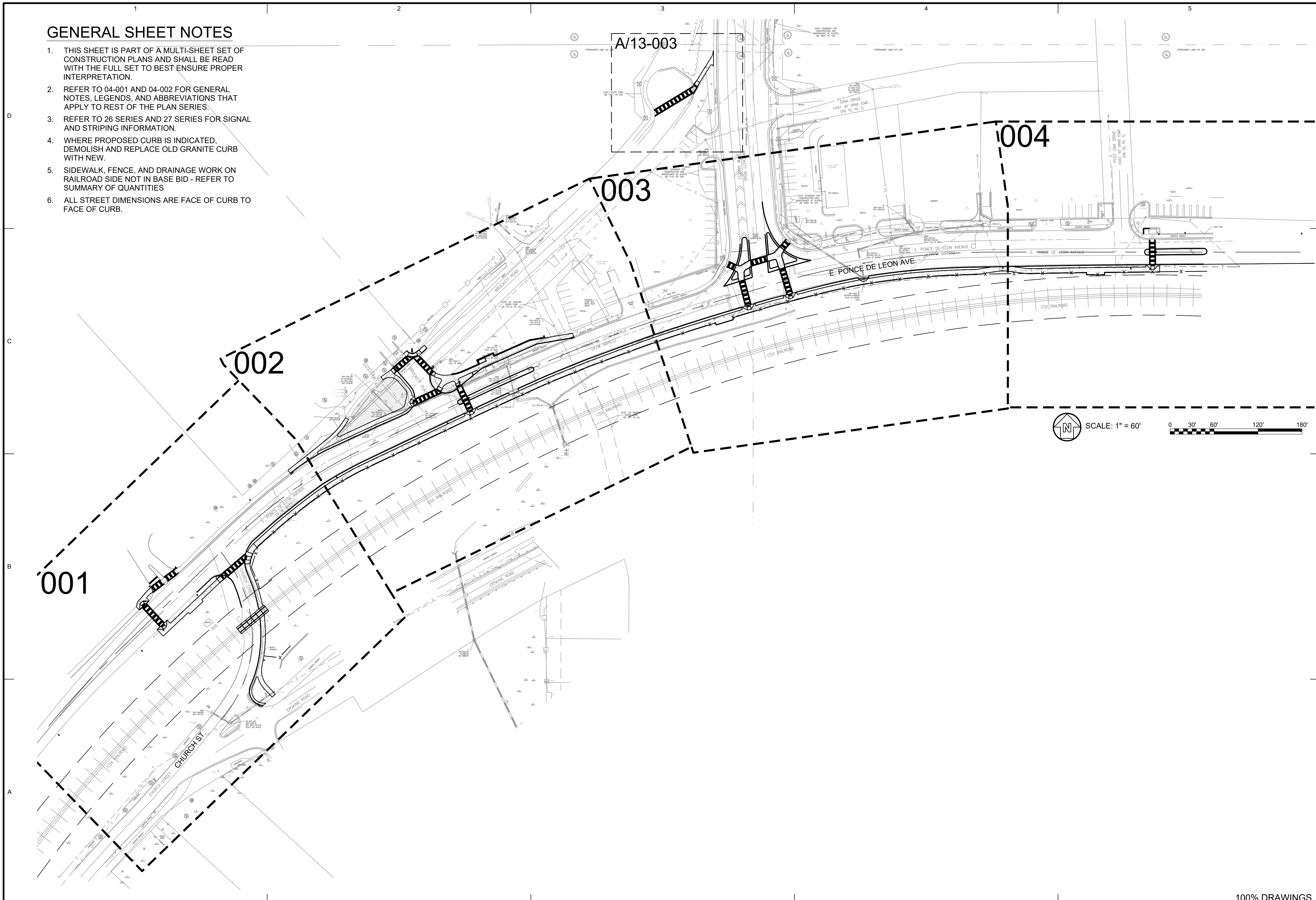
REVISIONS	BY

DRAWN BY LGL
CHECKED BY JDG
DATE: 12/03/2018
SCALE: 1" = 20'
JOB No. 18-TP-032
SHEET NUMBER
18
OF 18 SHEETS

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE13-001_LA.DWG PLOTTED BY: THOMPSON, SYDNEY

GENERAL SHEET NOTES

1. THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
2. REFER TO 04-001 AND 04-002 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS THAT APPLY TO REST OF THE PLAN SERIES.
3. REFER TO 26 SERIES AND 27 SERIES FOR SIGNAL AND STRIPING INFORMATION.
4. WHERE PROPOSED CURB IS INDICATED, DEMOLISH AND REPLACE OLD GRANITE CURB WITH NEW.
5. SIDEWALK, FENCE, AND DRAINAGE WORK ON RAILROAD SIDE NOT IN BASE BID - REFER TO SUMMARY OF QUANTITIES
6. ALL STREET DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.



SEAL

100% SUBMITTAL

MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	1/31/2019	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DWN BY: SPT	CHK BY: TN	FILE NAME: 13-001_LA.dwg	FILE NUMBER:
SUBMITTED BY:		SIZE: 22' x 34'	PLOT SCALE: 1" = 11'
			PLOT DATE: 02/25/2019

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane GA
30092 SUITE 500
Phone 678.338.7740
POND PROJECT No.1190154 Fax: 678.338.7744

PONCE/CHURCH SIDEWALKS

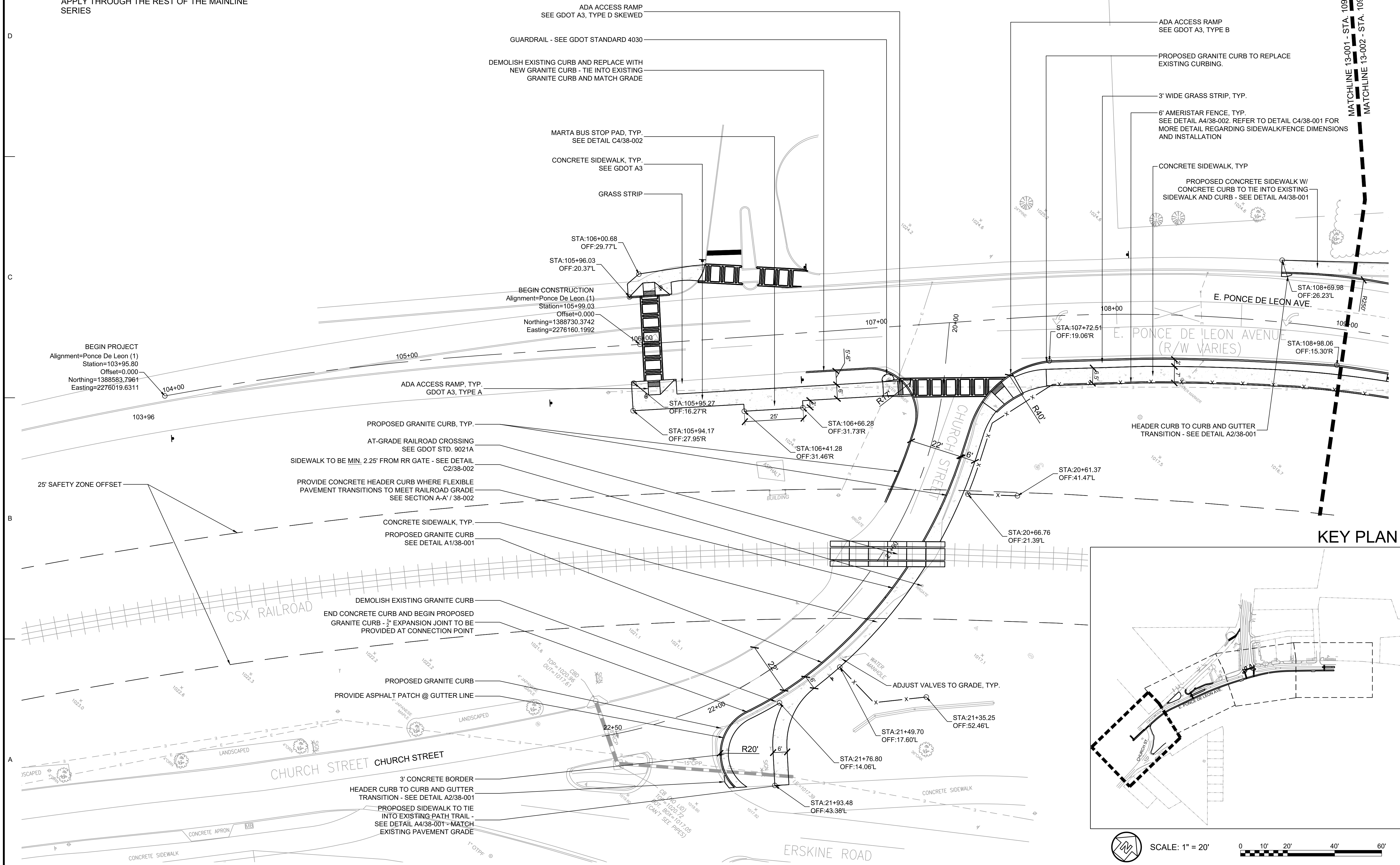
MAINLINE PLAN - OVERALL

SHEET IDENTIFICATION NUMBER
13-000

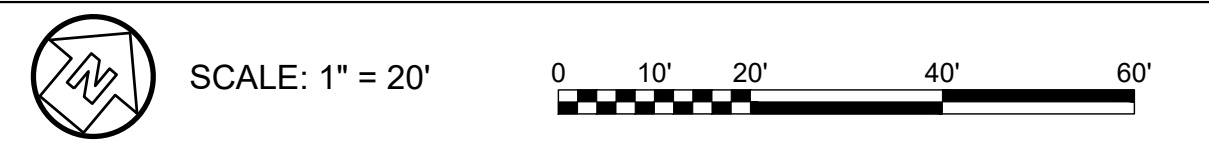
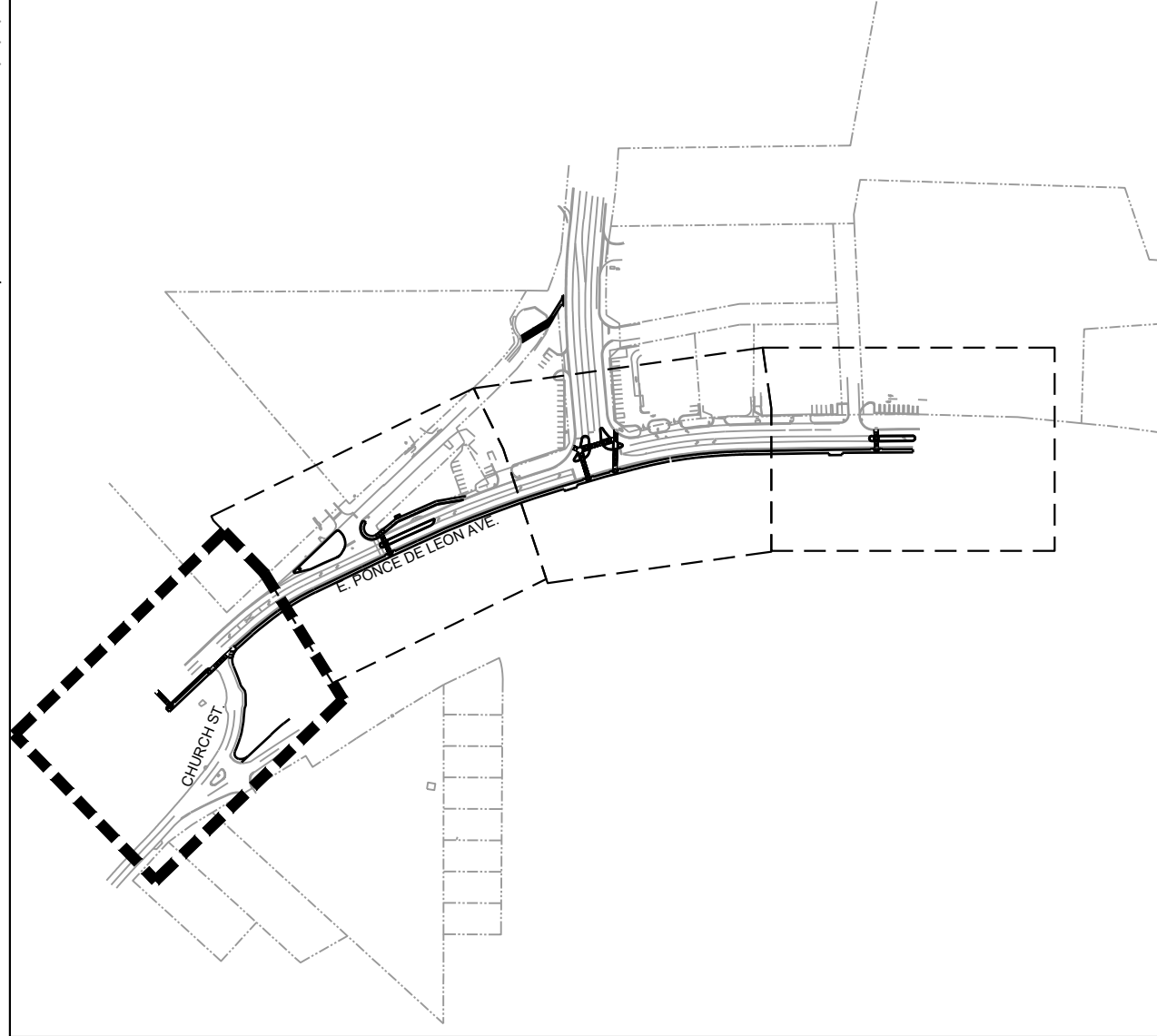
100% DRAWINGS

GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES

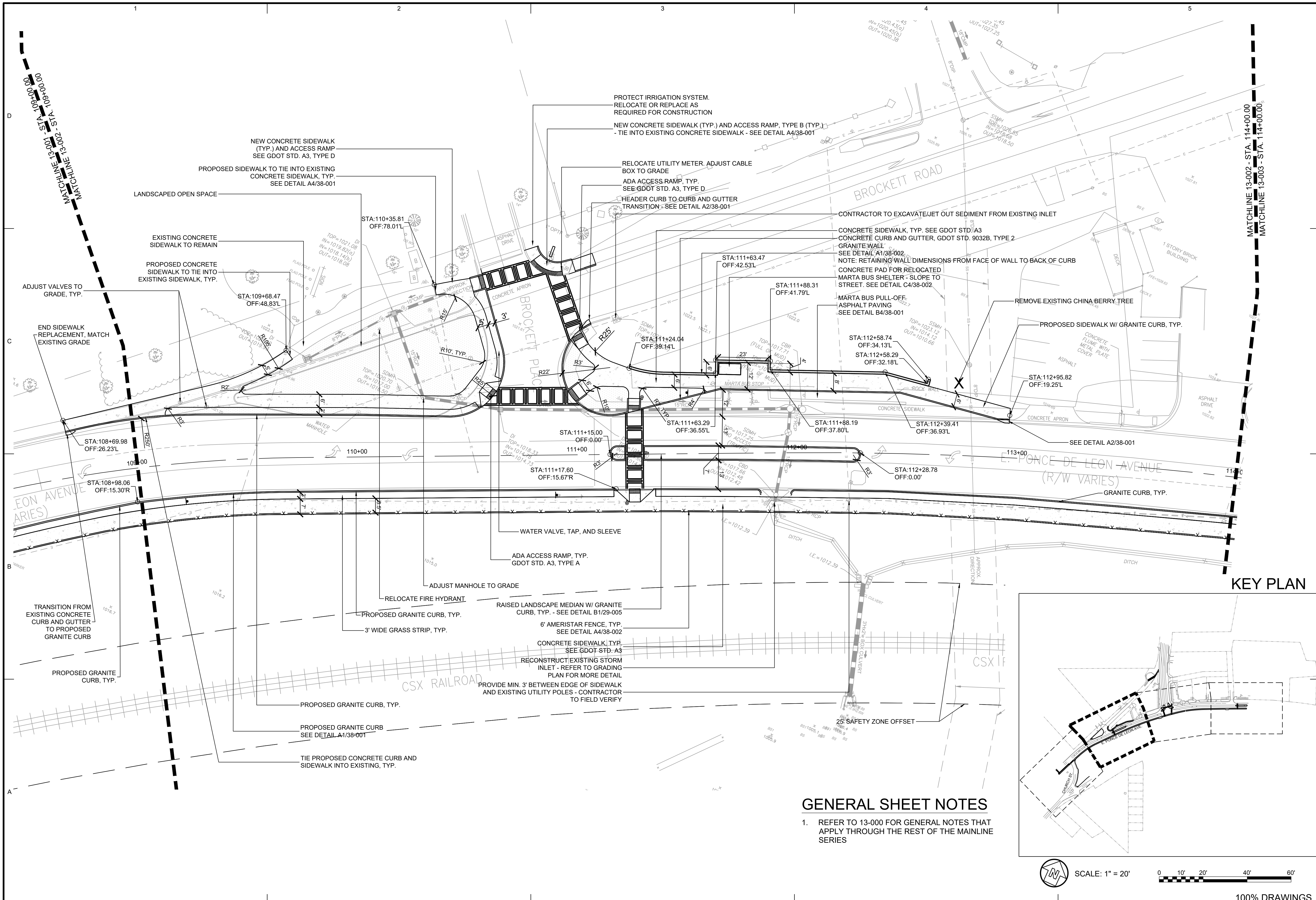


KEY PLAN



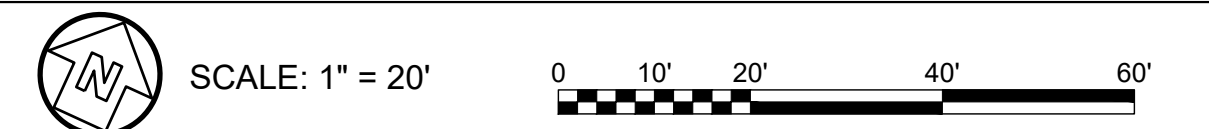
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SUBMITTED BY: SPT		DATE: 2/22/2019		PLOT SCALE: 22" x 34" 1:1	
CITY OF CLARKSTON		SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK			
3000 Parkway Lane GA 30096 SUITE 500 Phone 678.387.7740 Fax 678.387.7744		POND PROJECT No.1190154		POND 100% DRAWINGS	
PONCE/CHURCH SIDEWALKS		MAINLINE PLAN		SHEET IDENTIFICATION NUMBER 13-001	

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GENERAL SHEET NOTES

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100% DRAWINGS

SEAL									
100% SUBMITTAL	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE
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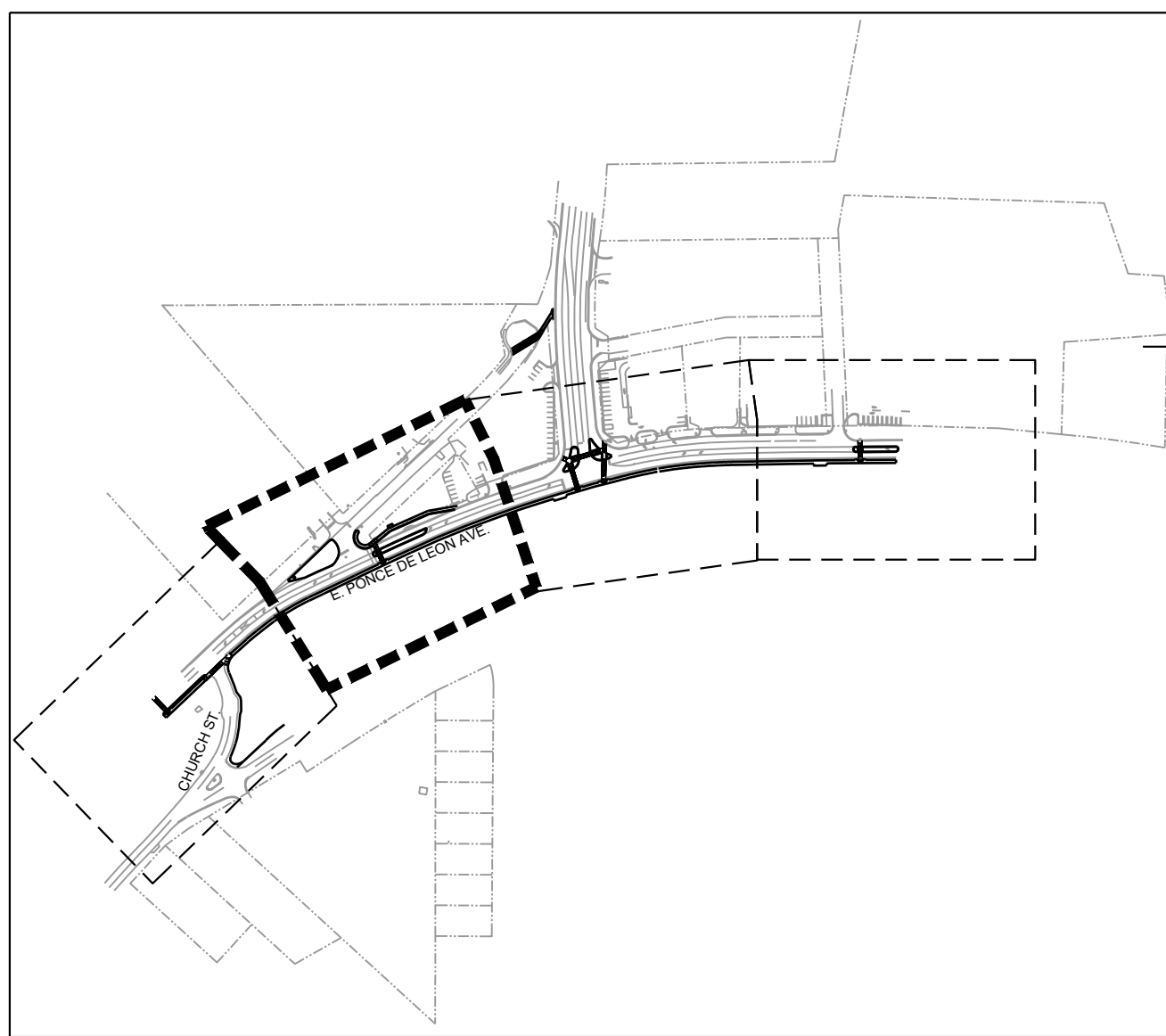
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<p>CITY OF CLARKSTON</p> <p>SPLIT 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK</p>	<p>POND</p> <p>3000 Parkway Lane 30006 SUITE 500 Phone 678.338.7740 Fax 678.338.7744</p>
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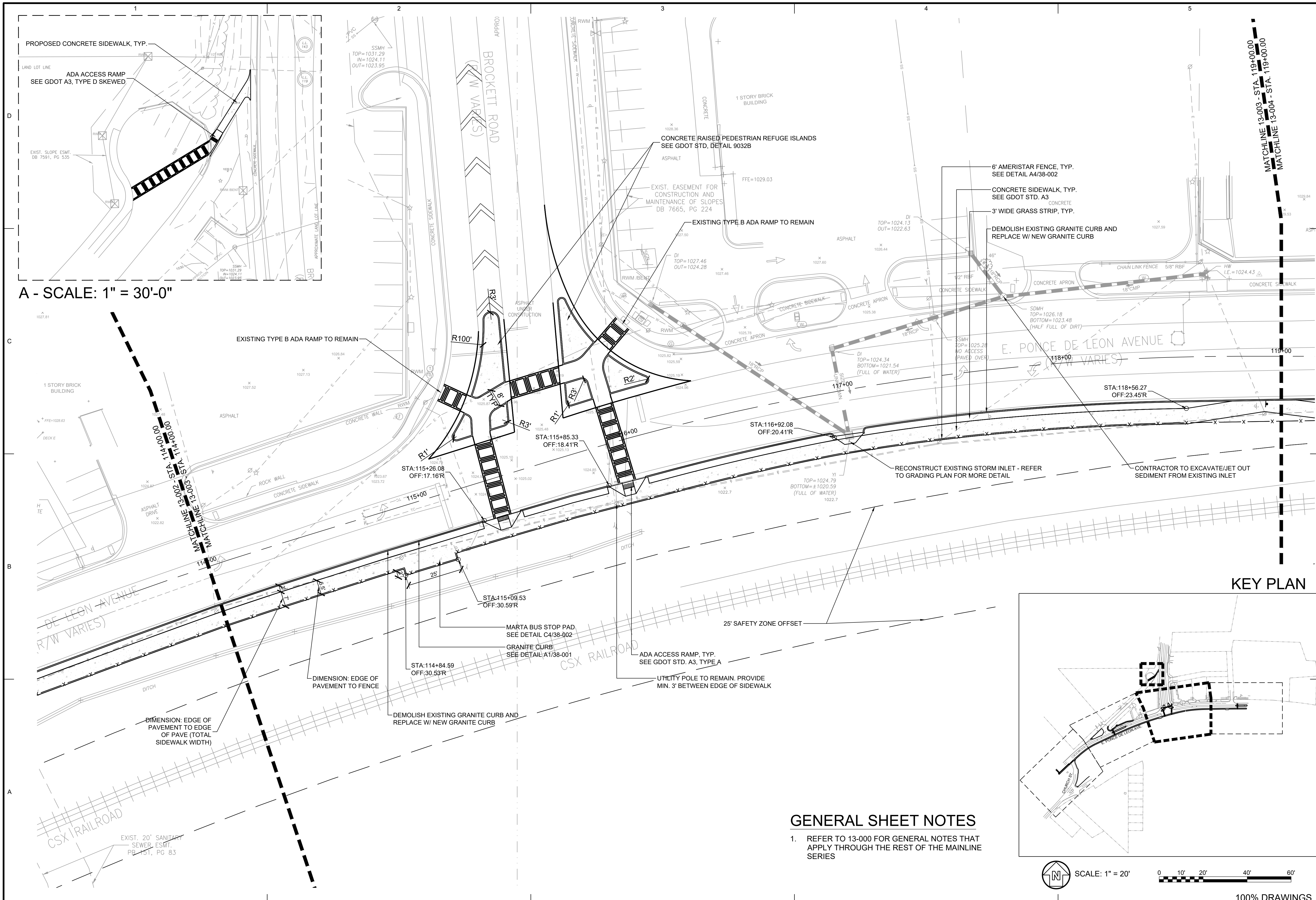
<p>PONCE/CHURCH SIDEWALKS</p>	<p>MAINLINE PLAN</p>
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<p>SHEET IDENTIFICATION NUMBER</p>	<p>13-002</p>
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KEY PLAN



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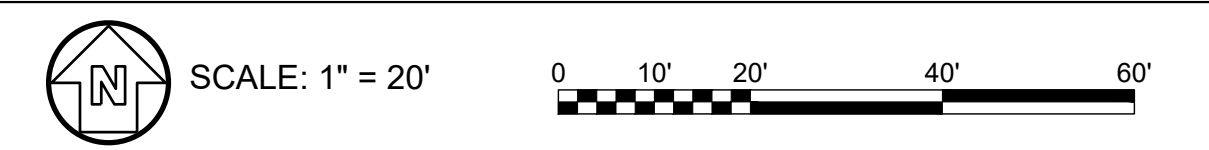


A - SCALE: 1" = 30'-0"

KEY PLAN

GENERAL SHEET NOTES

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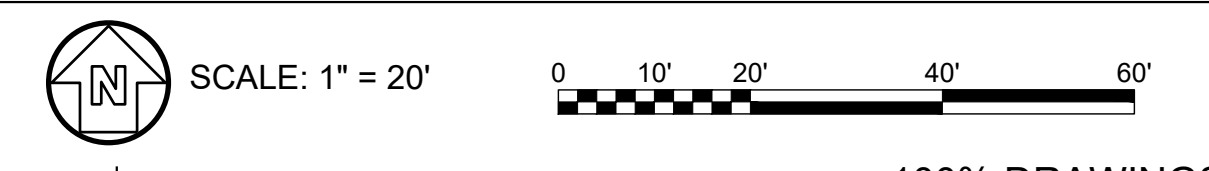
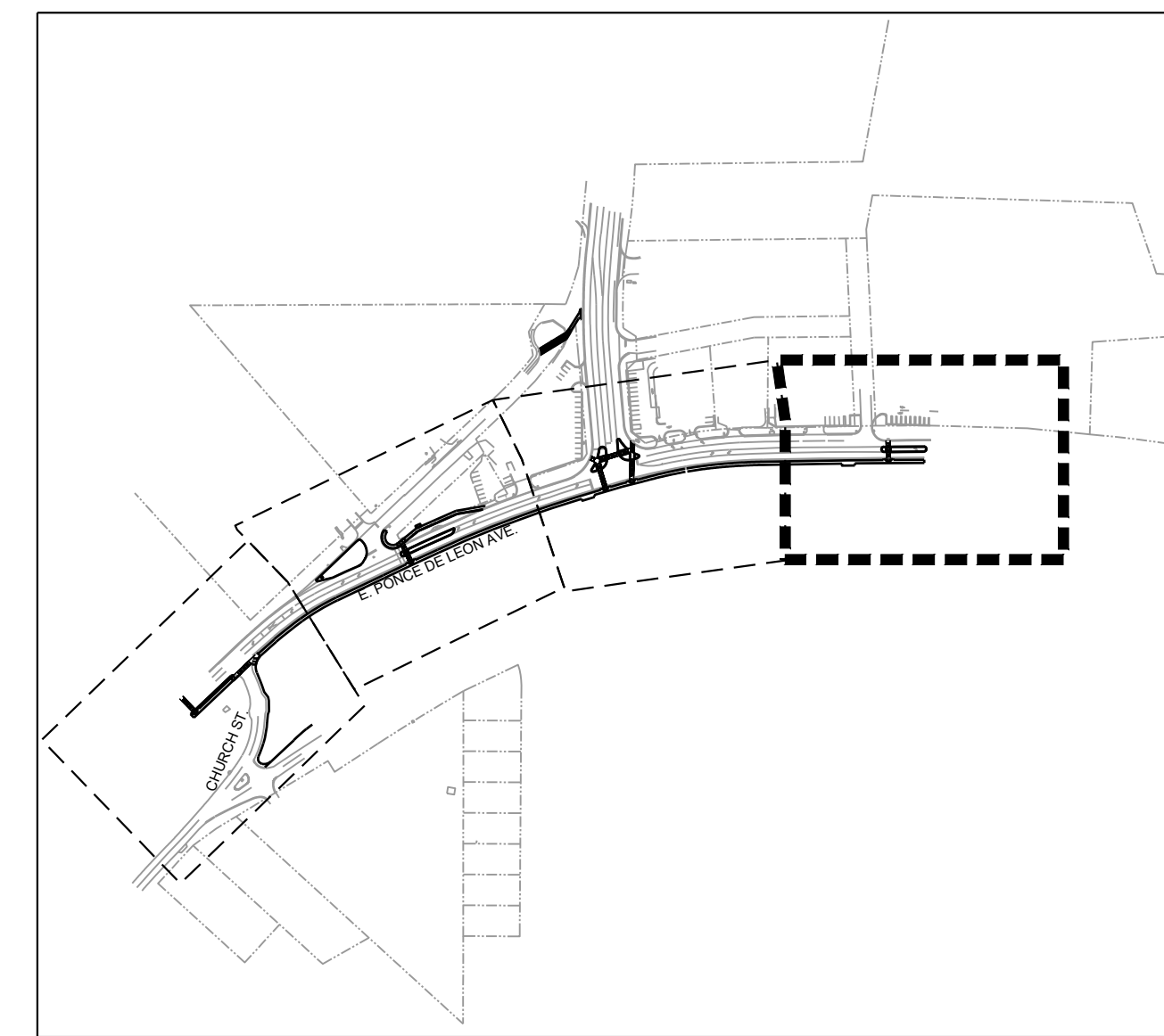
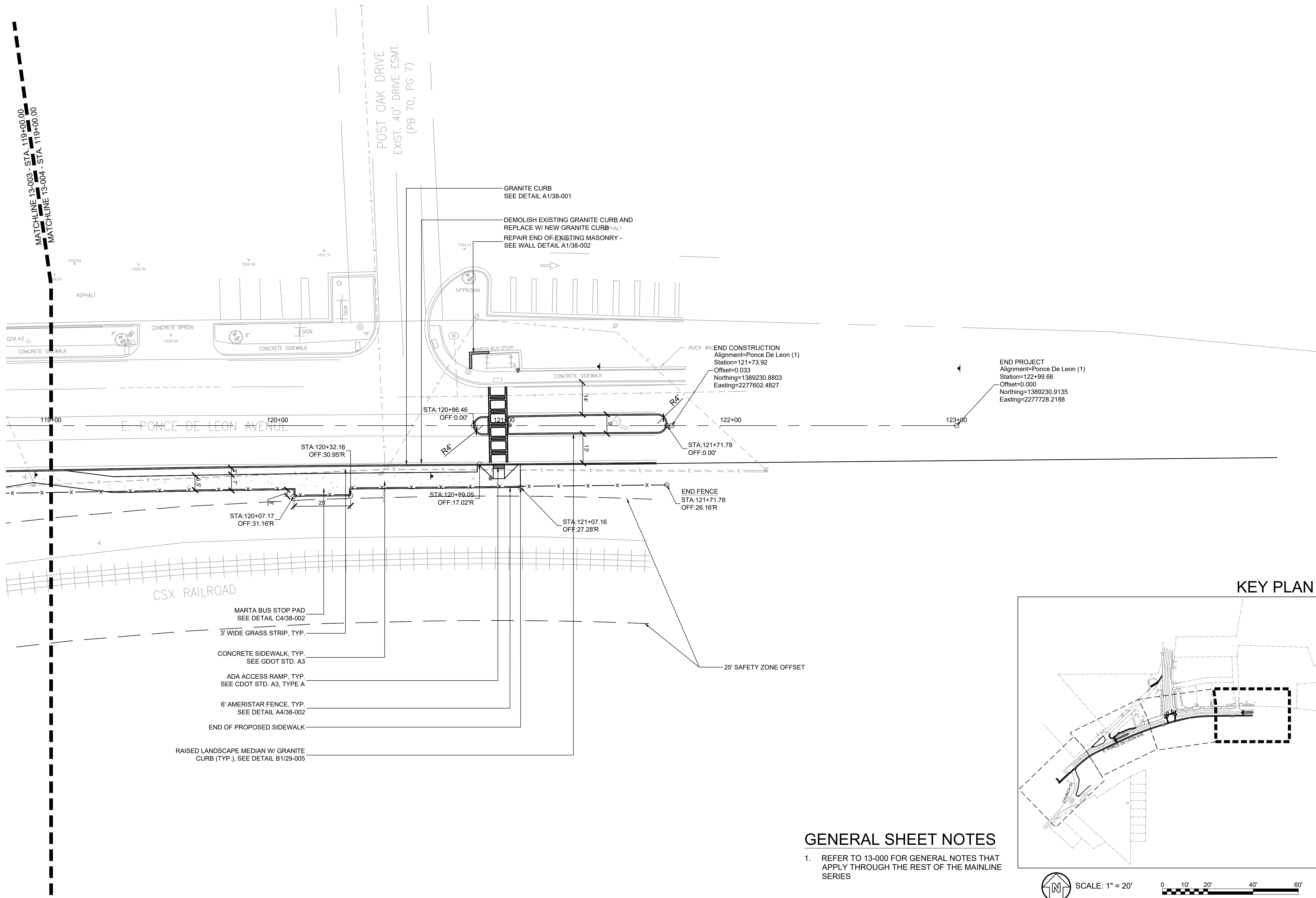


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DESIGNED BY:	RBJ	DATE:	2/22/2019
DWN BY:	SPT	CHK BY:	TN
SUBMITTED BY:		CONTRACT NO.:	
FILE NAME:	13-001 LA.dwg	FILE NUMBER:	
SIZE:	22" x 34"	PLOT DATE:	02/25/2019
PLOT SCALE:	1" = 30'	MARK	
DESCRIPTION		DATE	
APPR.			

CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK	<p>3000 Parkway Lane Clarkston, GA 30026 Phone 678.338.7740 Fax 678.338.7744</p>
MAINLINE PLAN	

SHEET IDENTIFICATION NUMBER	13-003
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FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04_02\CAD\CHURCH & PONCE\13-001_LA.DWG PLOTTED BY: THOMPSON, SYDNEY



100% DRAWINGS

DESIGNED BY: RBJ		DATE: 2/22/2019
DWN BY: SPT	CHK BY: TN	SOLICITATION NO.:
SUBMITTED BY:		CONTRACT NO.:
FILE NAME: 13-001_LA.dwg	FILE NUMBER:	PLOT DATE: 02/25/2019
SIZE: 22" x 34"	PLOT SCALE: 1" = 11'	MARK

NO.	DATE	DESCRIPTION	APPR.
A	10/12/2019	100% SUBMITTAL	

CITY OF CLARKSTON SP/LOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK	 3000 Parkway Lane GA 30052 SUITE 500 Phone 678.387.7740 Fax 678.387.7744
PONCE/CHURCH SIDEWALKS	

SHEET IDENTIFICATION NUMBER
13-004

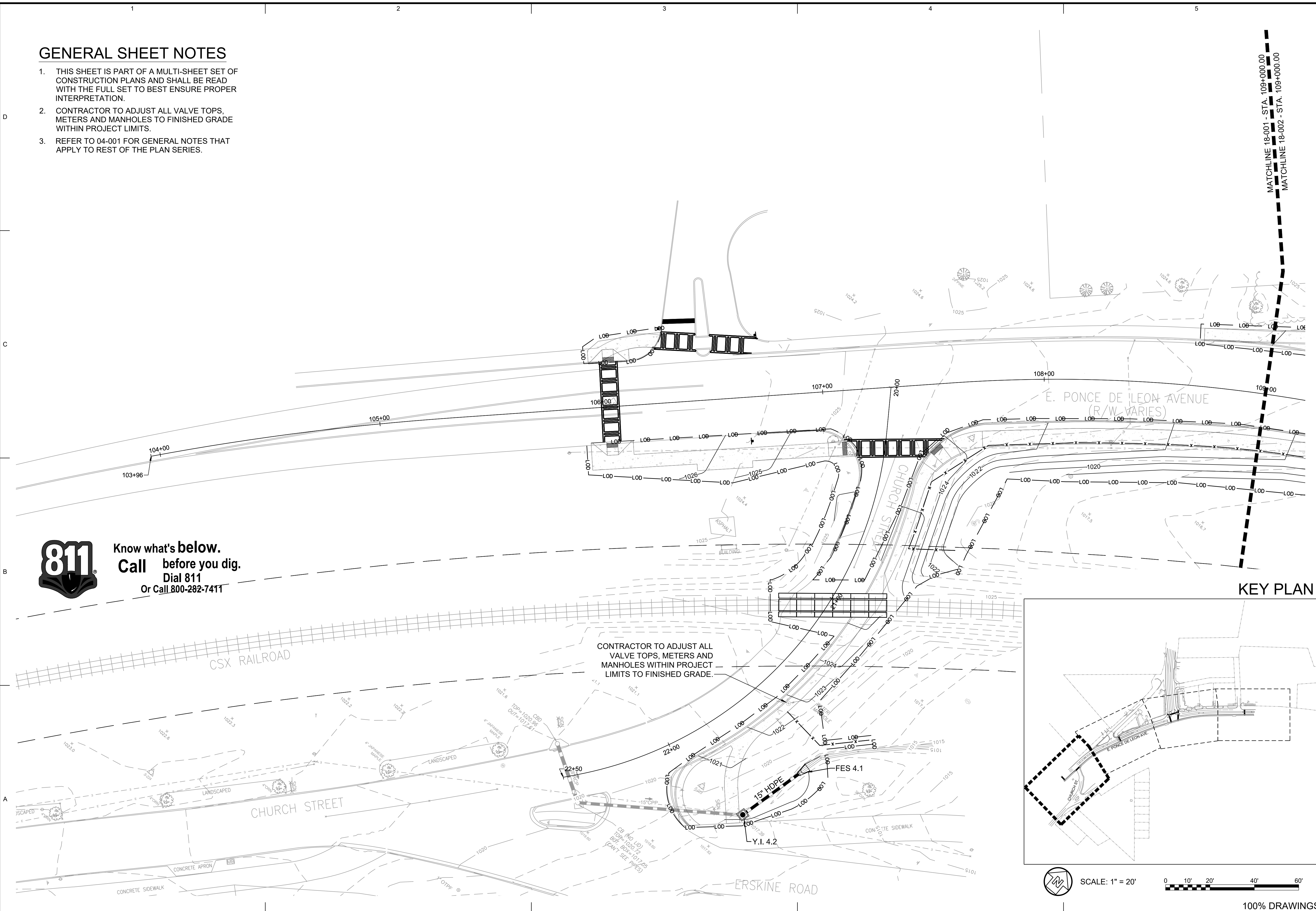
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GENERAL SHEET NOTES

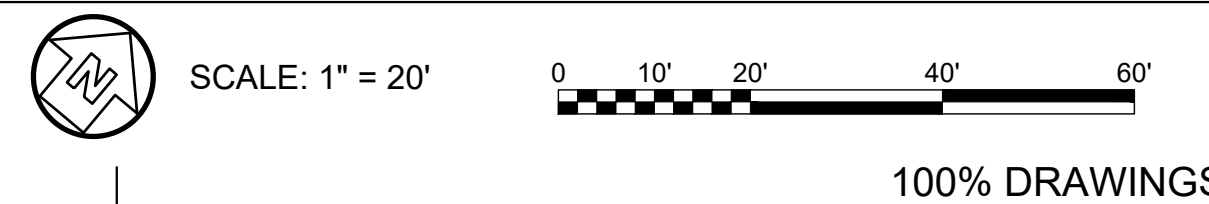
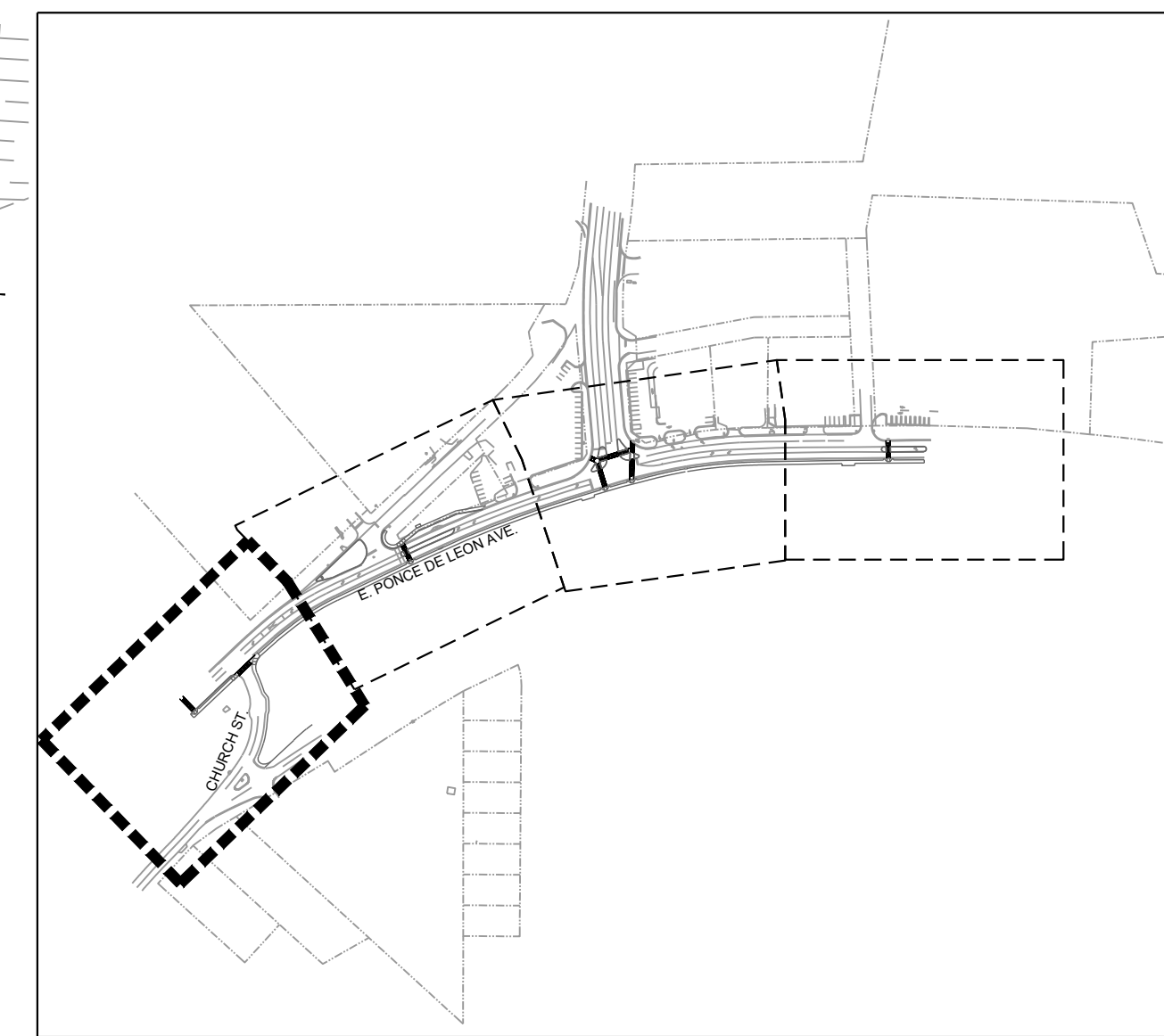
1. THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
2. CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.
3. REFER TO 04-001 FOR GENERAL NOTES THAT APPLY TO REST OF THE PLAN SERIES.



Know what's below.
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CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES WITHIN PROJECT LIMITS TO FINISHED GRADE.

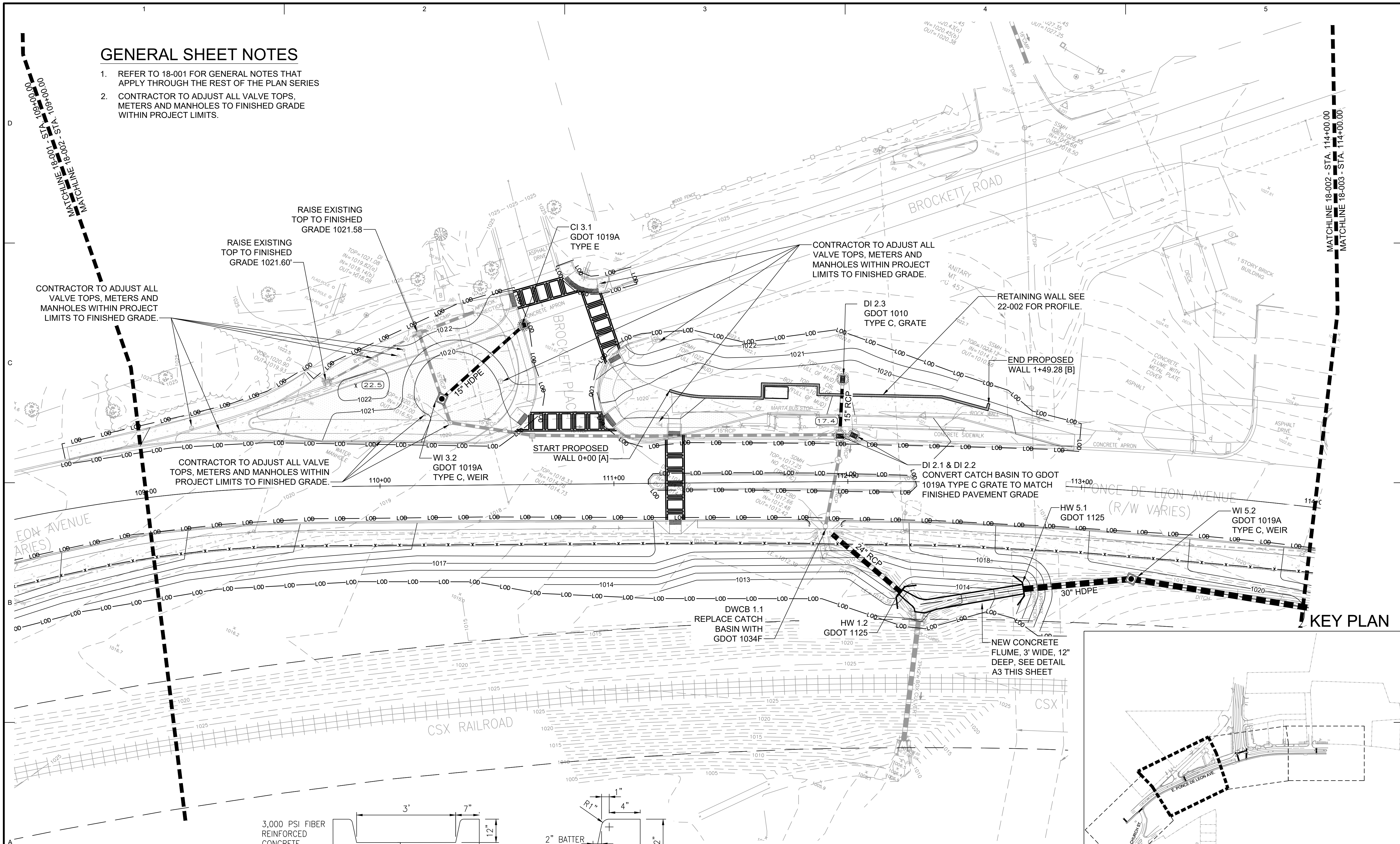


103/2019		SEAL	
A 100% SUBMITTAL		MARK	
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DWN BY: SPT	CKD BY: TN	FILE NAME: CG-101.dwg	FILE NUMBER: 02/25/2019
SUBMITTED BY:	DATE:	SIZE: 22" x 34"	PLOT SCALE: 1" = 20'
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK POND POND PROJECT No. 1190154 3000 Parkway Lane Suite 500 Phone 678.387.7740 Fax 678.387.7744			
PONCE/CHURCH SIDEWALKS		GRADING PLAN	
SHEET IDENTIFICATION NUMBER		18-001	

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\CG-101.DWG PLOTTED BY: THOMPSON, SYDNEY

GENERAL SHEET NOTES

- REFER TO 18-001 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE PLAN SERIES
- CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.



CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES WITHIN PROJECT LIMITS TO FINISHED GRADE.

CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES WITHIN PROJECT LIMITS TO FINISHED GRADE.

RAISE EXISTING TOP TO FINISHED GRADE 1021.60'

RAISE EXISTING TOP TO FINISHED GRADE 1021.58

CI 3.1 GDOT 1019A TYPE E

CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES WITHIN PROJECT LIMITS TO FINISHED GRADE.

RETAINING WALL SEE 22-002 FOR PROFILE.

END PROPOSED WALL 1+49.28 [B]

START PROPOSED WALL 0+00 [A]

DI 2.1 & DI 2.2 CONVERT CATCH BASIN TO GDOT 1019A TYPE C GRATE TO MATCH FINISHED PAVEMENT GRADE

HW 5.1 GDOT 1125

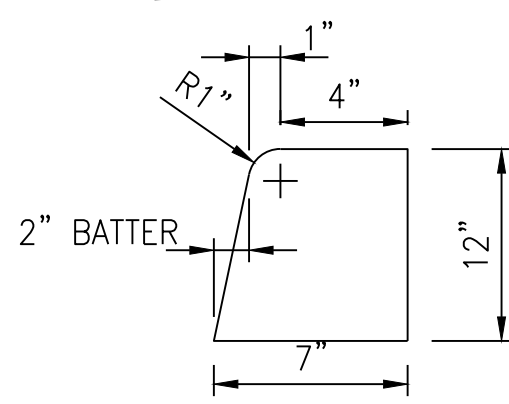
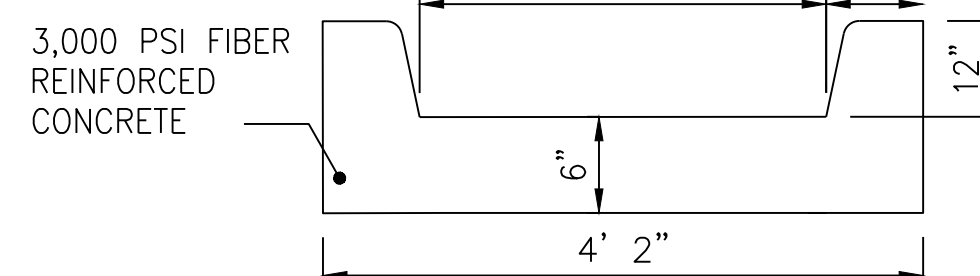
WI 5.2 GDOT 1019A TYPE C WEIR

DWCB 1.1 REPLACE CATCH BASIN WITH GDOT 1034F

HW 1.2 GDOT 1125

NEW CONCRETE FLUME, 3' WIDE, 12" DEEP, SEE DETAIL A3 THIS SHEET

KEY PLAN



A2 CONCRETE FLUME DETAIL
NO SCALE



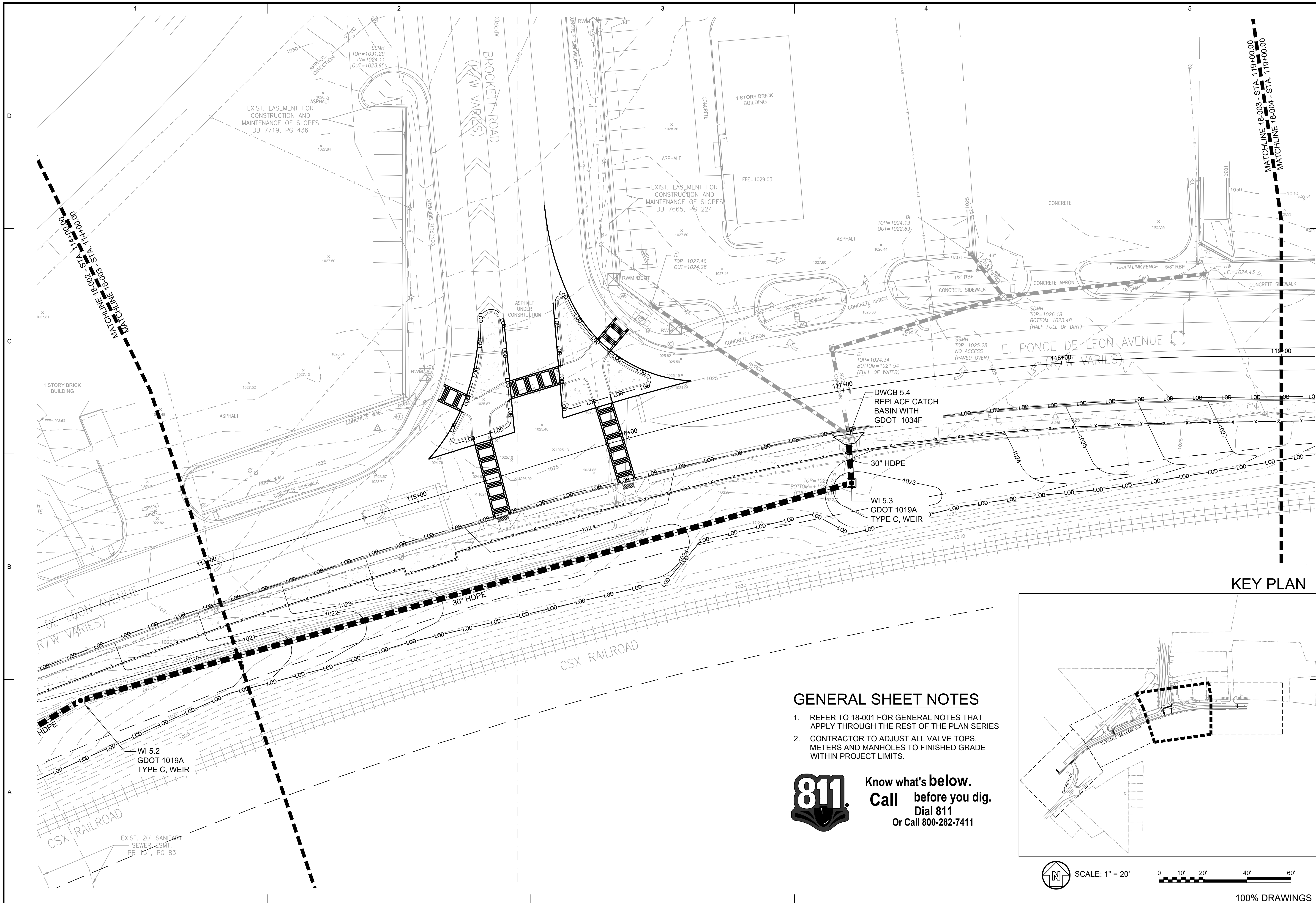
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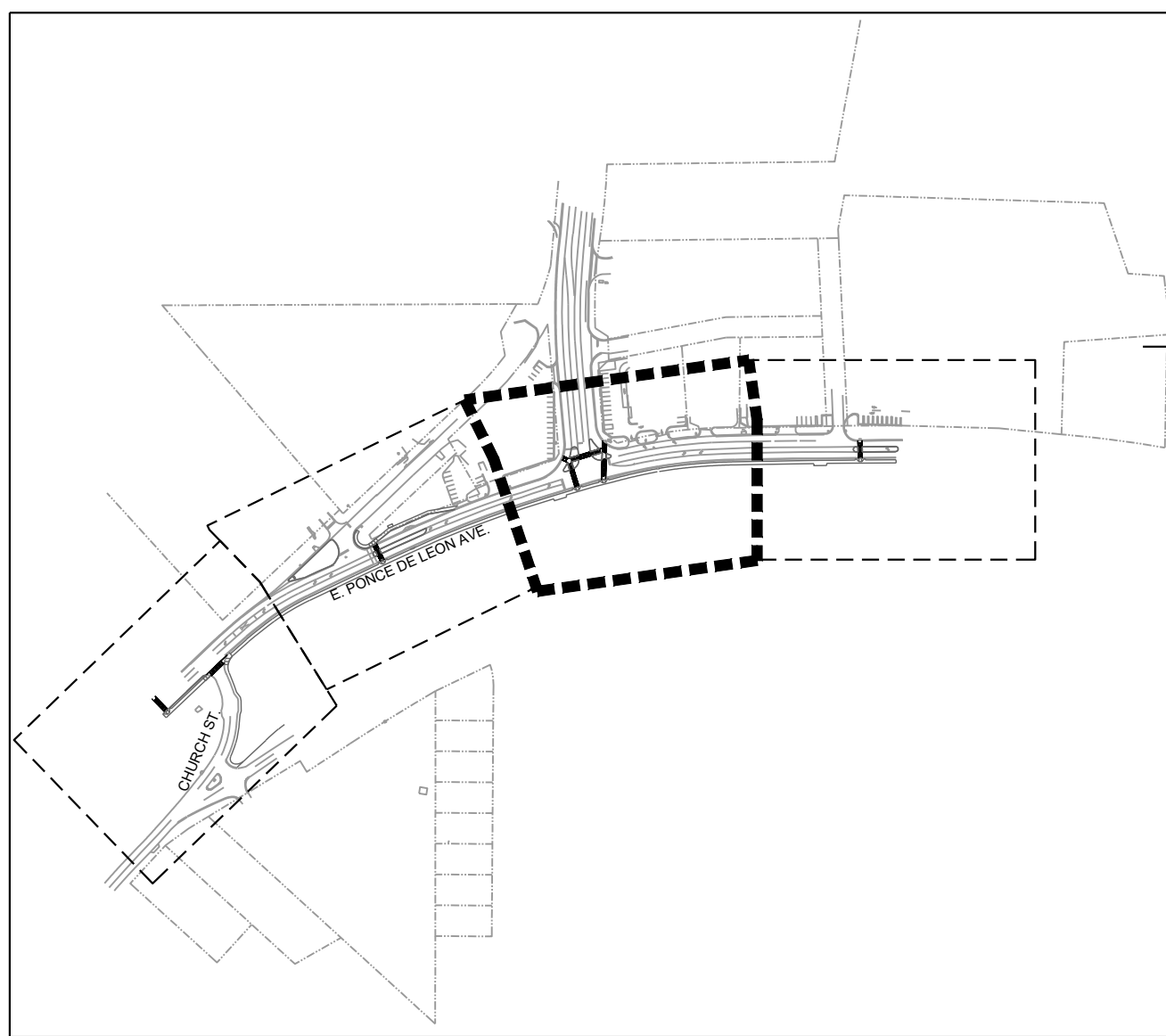
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100% SUBMITTAL		100% SUBMITTAL	
DATE: 2/22/2019	SOLICITATION NO.: 18-001	DATE: 02/25/2019	MARK
DWN BY: SPT	CKD BY: TN	CONTRACT NO.:	DESCRIPTION
FILE NAME: CG-101.dwg	FILE NUMBER:	DATE:	APPR.
SIZE: 22" x 34"	PLOT SCALE: 1" = 11'	DATE:	APPR.
DESIGNED BY: RBJ		DESIGNED BY: RBJ	
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK		CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK	
3000 Parkway Lane Clarkston, GA 30006 Phone 678.398.7740 Fax 678.398.7744		3000 Parkway Lane Clarkston, GA 30006 Phone 678.398.7740 Fax 678.398.7744	
PONCE/CHURCH SIDEWALKS		GRADING PLAN	
SHEET IDENTIFICATION NUMBER		SHEET IDENTIFICATION NUMBER	
18-002		18-002	

FILE PATH: N:\SWITCHBLADE\PROJECTS\FY19\119015404.CAD_BIM\04.02.CAD\CHURCH & PONCE\CG-101.DWG PLOTTED BY: THOMPSON, SYDNEY



KEY PLAN

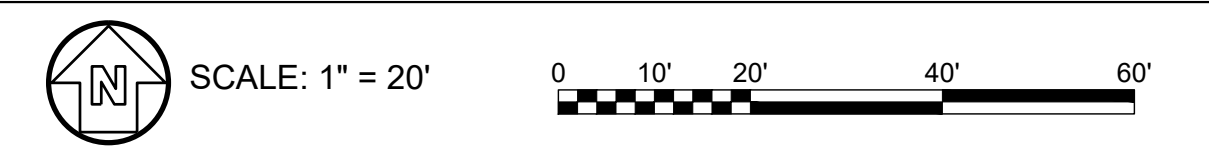


GENERAL SHEET NOTES

1. REFER TO 18-001 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE PLAN SERIES
2. CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.



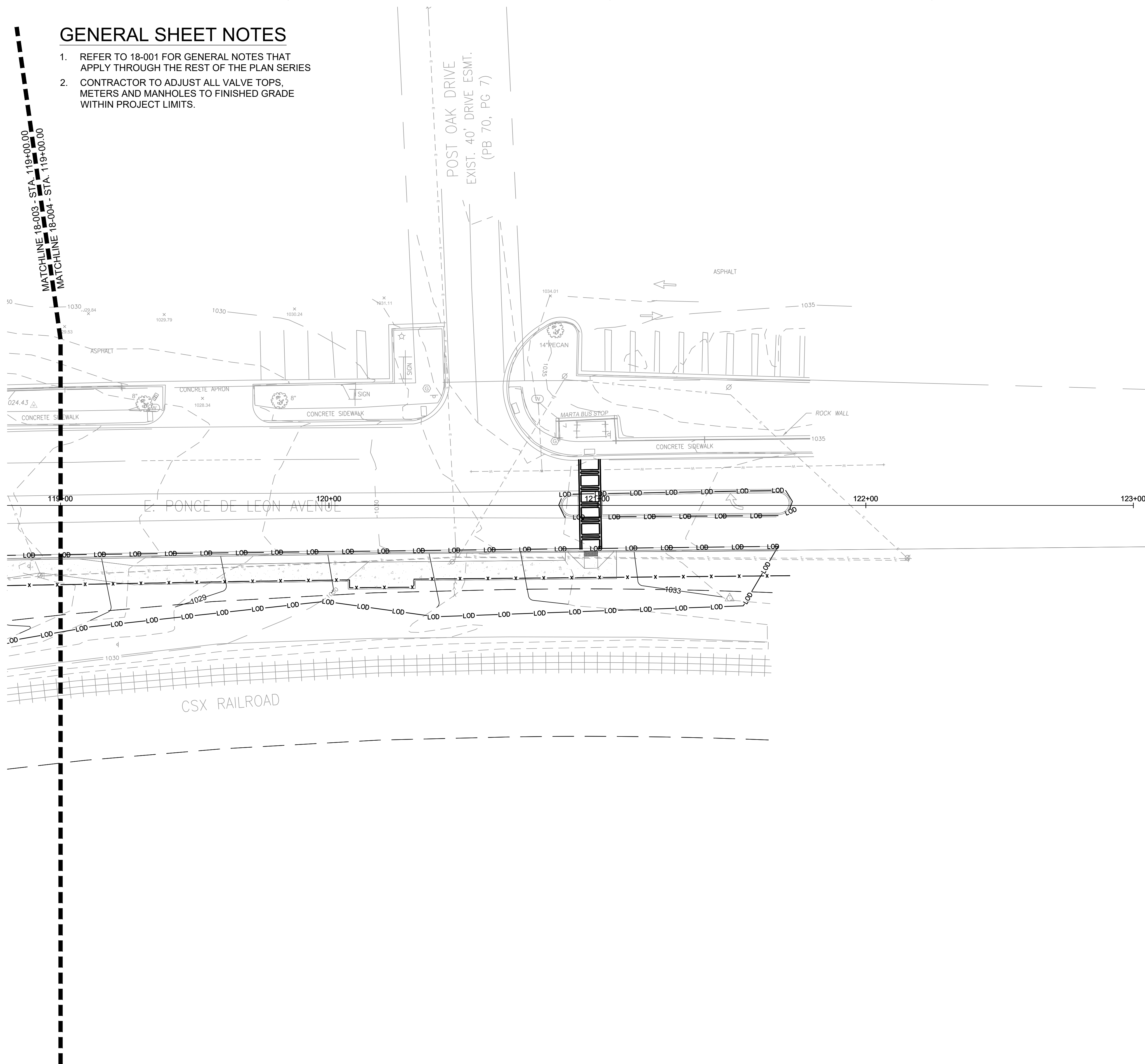
Know what's below.
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 Or Call 800-282-7411



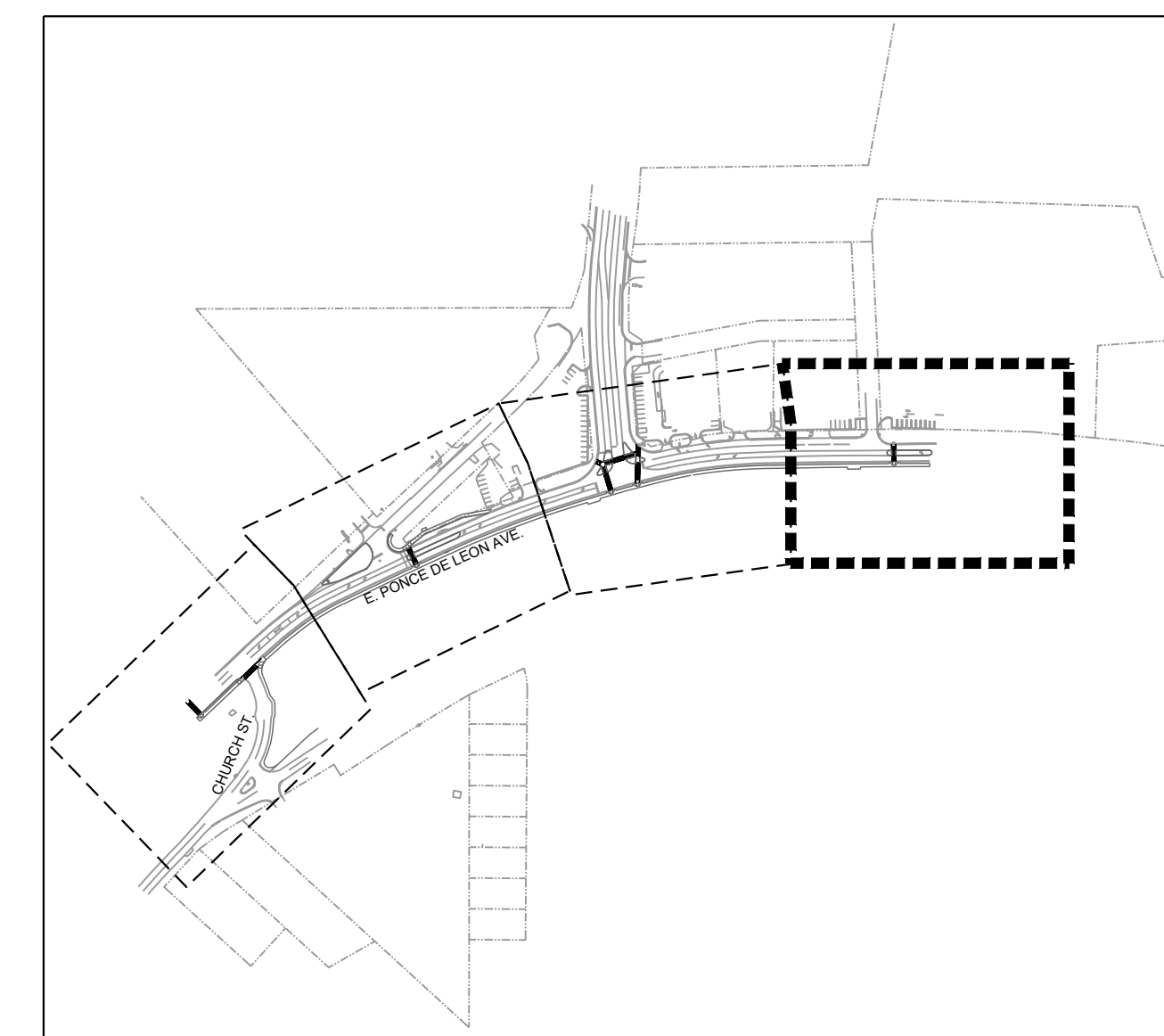
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DATE	MARK	DESCRIPTION	DATE	APPR.	DATE	APPR.	DATE	APPR.	DATE
10/12/2019									
<p>DESIGNED BY: RBJ DATE: 2/22/2019 SOLICITATION NO.: CONTRACT NO.: FILE NUMBER: PLOT DATE: 02/25/2019</p> <p>DWN BY: SPT CHK BY: TN SUBMITTED BY: FILE NAME: CG-101.dwg PLOT SCALE: 22" x 34" 1:1</p> <p>CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK</p> <p>POND 3000 Parkway Lane, Suite 500 Clarkston, GA 30026 Phone 678.398.7740 Fax 678.398.7744</p>									
<p>PONCE/CHURCH SIDEWALKS</p> <p style="text-align: right;">GRADING PLAN</p>									
<p>SHEET IDENTIFICATION NUMBER 18-003</p>									

GENERAL SHEET NOTES

- REFER TO 18-001 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE PLAN SERIES
- CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.



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SCALE: 1" = 20'



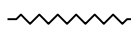

100% DRAWINGS

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SUBMITTED BY:		CONTRACT NO.:		
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SIZE: 22" x 34"		PLOT SCALE: 1" = 20'		
		PLOT DATE: 02/25/2019		
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK			MARK	DESCRIPTION
 3000 Parkway Lane Clarkston, GA 30009 Phone 678.338.7740 POND PROJECT No. 1190154 Fax: 678.338.7744				
PONSE/CHURCH SIDEWALKS GRADING PLAN				
SHEET IDENTIFICATION NUMBER				
18-004				

GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES

LEGEND

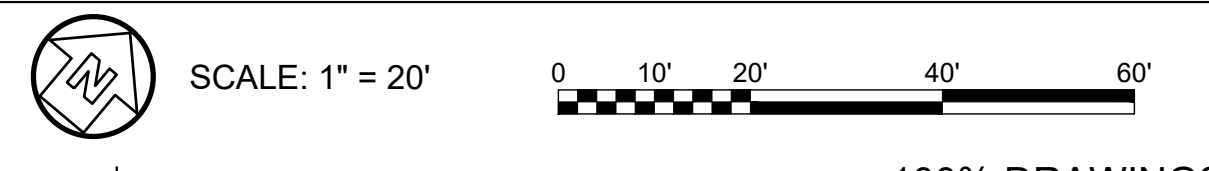
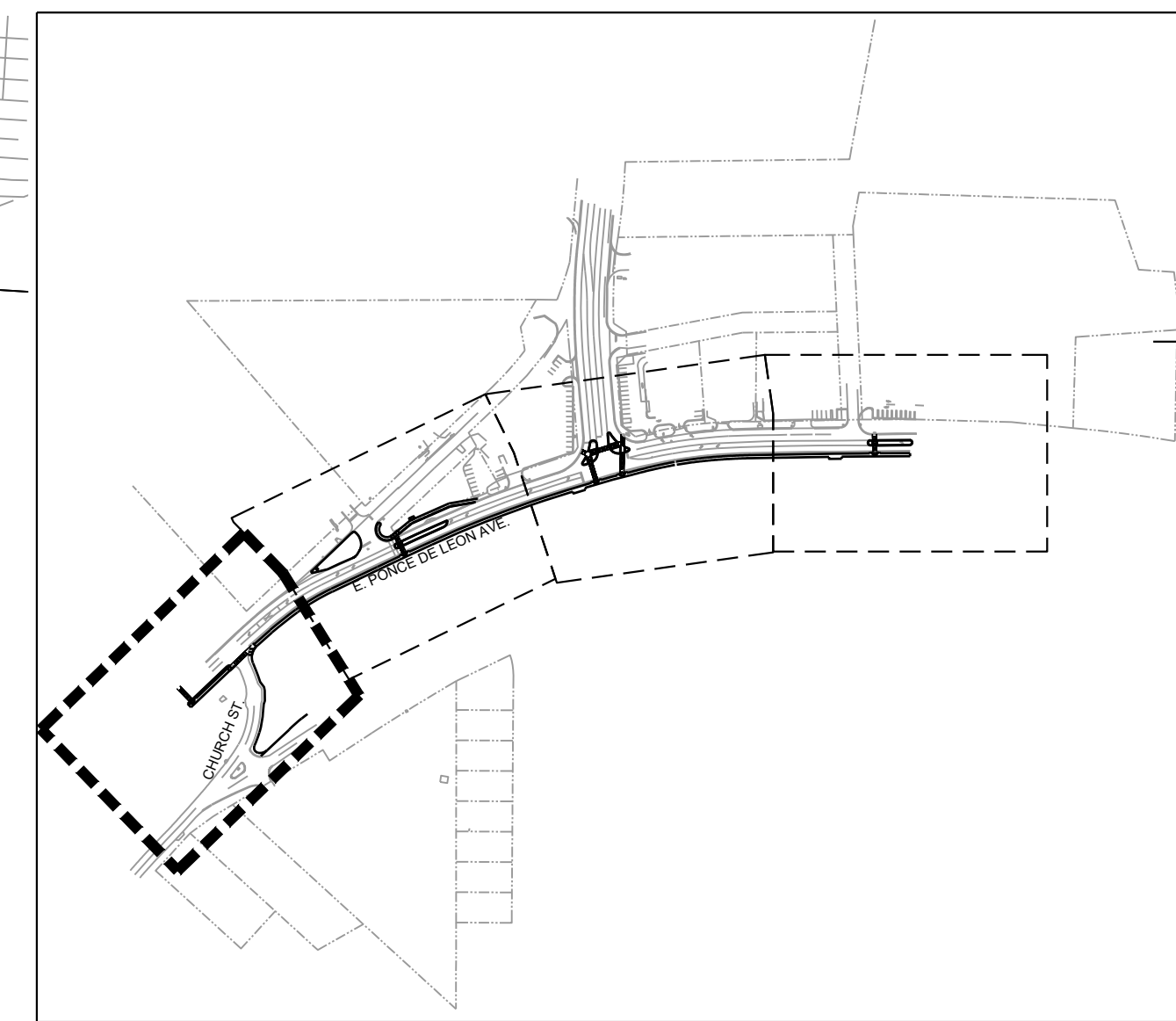
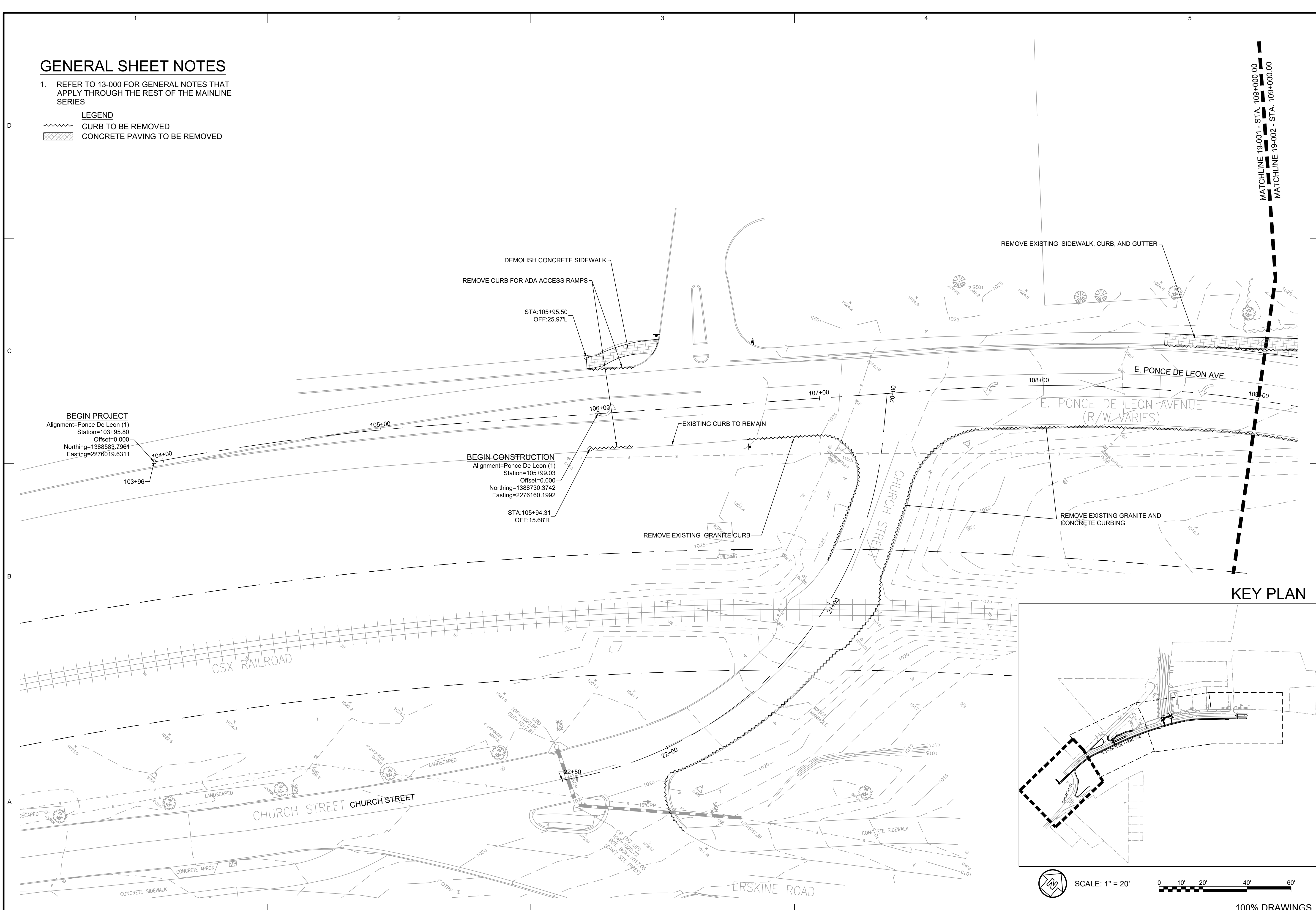
	CURB TO BE REMOVED
	CONCRETE PAVING TO BE REMOVED

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	SEAL				
100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL
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SOLICITATION NO.: 22222019	SOLICITATION NO.: 22222019	SOLICITATION NO.: 22222019	SOLICITATION NO.: 22222019	SOLICITATION NO.: 22222019	SOLICITATION NO.: 22222019
CONTRACT NO.:	CONTRACT NO.:	CONTRACT NO.:	CONTRACT NO.:	CONTRACT NO.:	CONTRACT NO.:
FILE NAME: 19-000.DWG	FILE NAME: 19-000.DWG	FILE NAME: 19-000.DWG	FILE NAME: 19-000.DWG	FILE NAME: 19-000.DWG	FILE NAME: 19-000.DWG
PLOT SCALE: 22' x 34'	PLOT SCALE: 22' x 34'	PLOT SCALE: 22' x 34'	PLOT SCALE: 22' x 34'	PLOT SCALE: 22' x 34'	PLOT SCALE: 22' x 34'
DATE: 02/25/2019	DATE: 02/25/2019	DATE: 02/25/2019	DATE: 02/25/2019	DATE: 02/25/2019	DATE: 02/25/2019
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APPR.	APPR.	APPR.	APPR.	APPR.	APPR.

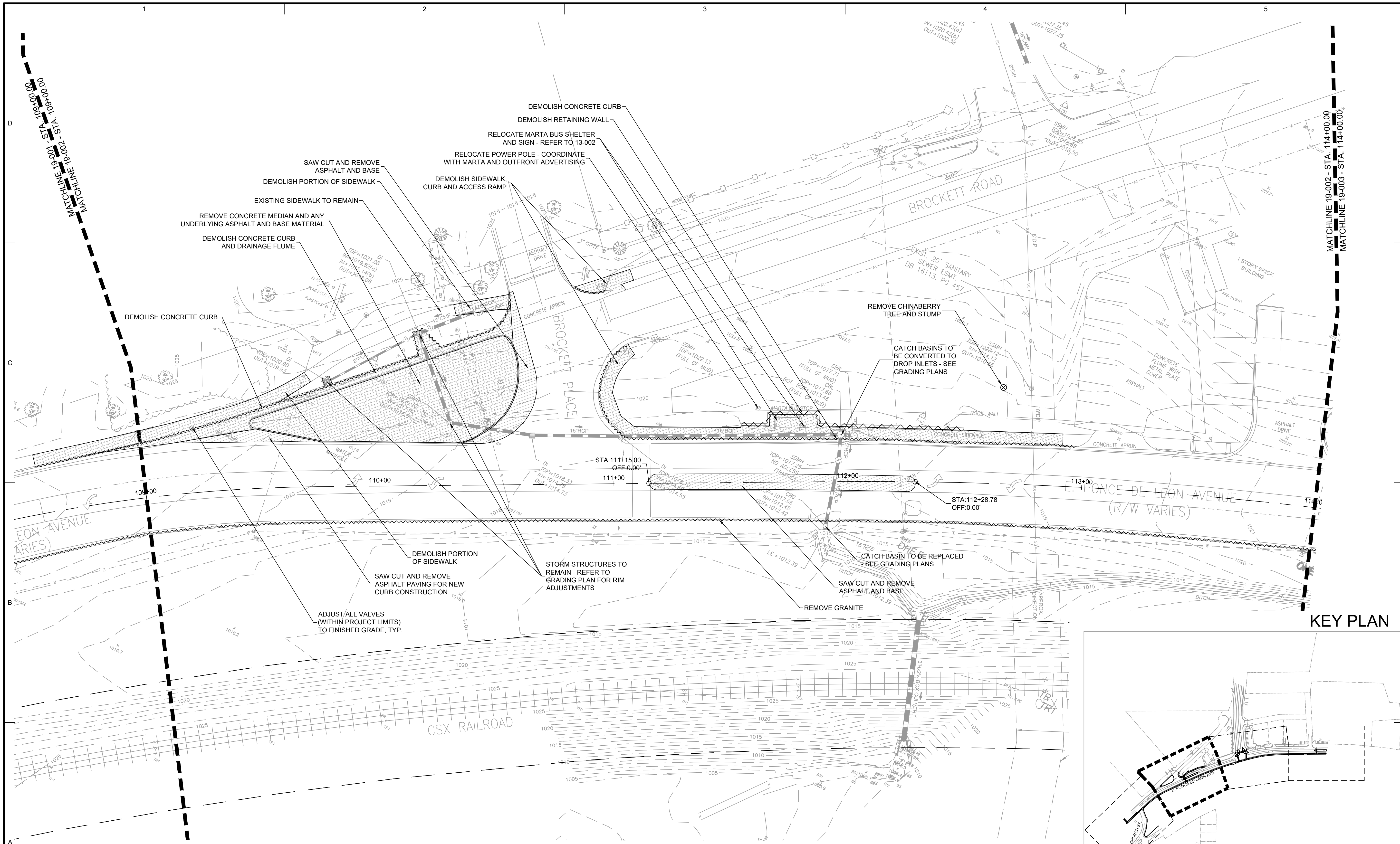
CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

POND
 3000 Parkway Lane
 Suite 500
 Clarkston, GA 30026
 Phone 678.387.7740
 Fax 678.387.7744

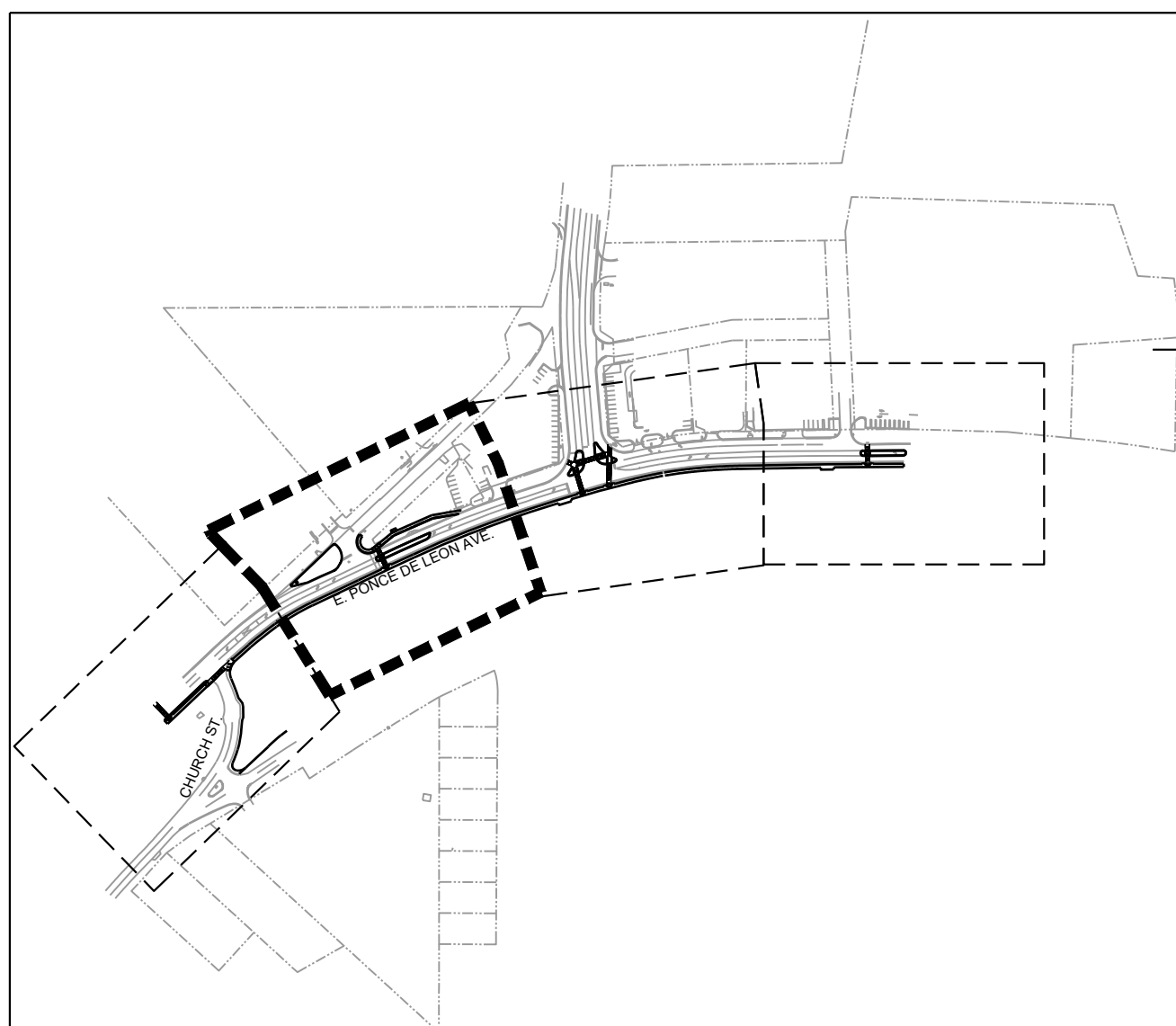
PONCE/CHURCH SIDEWALKS
 DEMOLITION PLANS

SHEET IDENTIFICATION NUMBER
19-001

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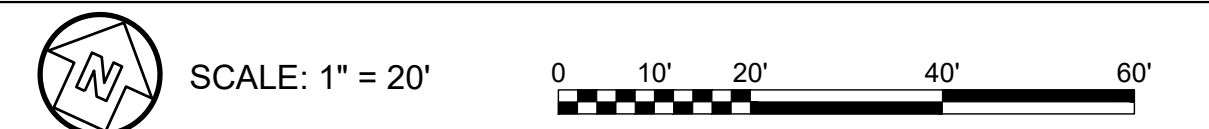
KEY PLAN



GENERAL SHEET NOTES

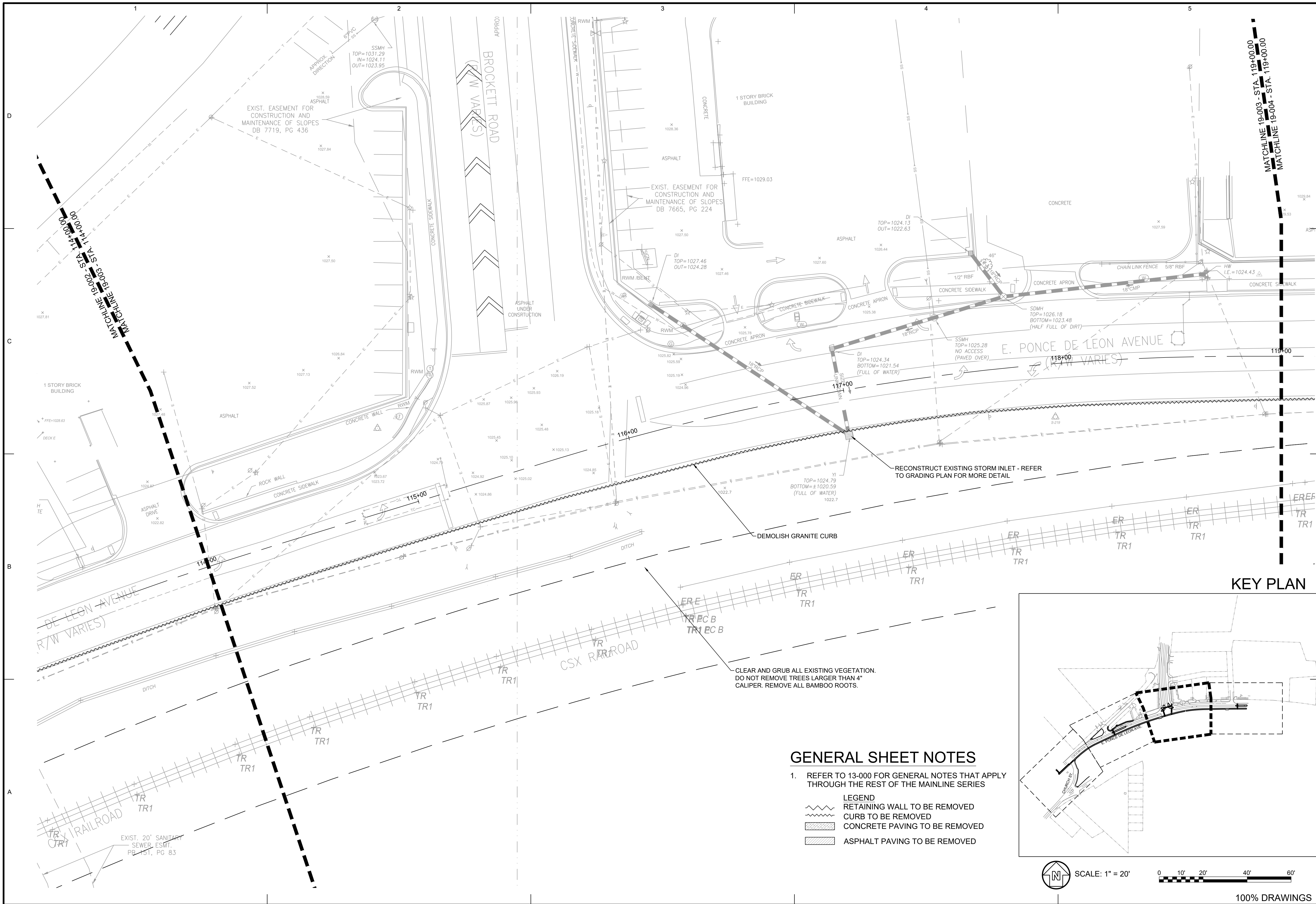
- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES
- LEGEND
- RETAINING WALL TO BE REMOVED
 - CURB TO BE REMOVED
 - CONCRETE PAVING TO BE REMOVED
 - ASPHALT PAVING TO BE REMOVED

- DEMOLITION NOTES:**
- REPLACE CATCH BASIN AT STA. 116+98.28 - REFER TO GRADING PLANS
 - SAWCUT AND REMOVE ASPHALT AND BASE AT PROPOSED MEDIAN, STA 120+86.52 TO STA 121+71.79 - REFER TO MAINLINE PLANS

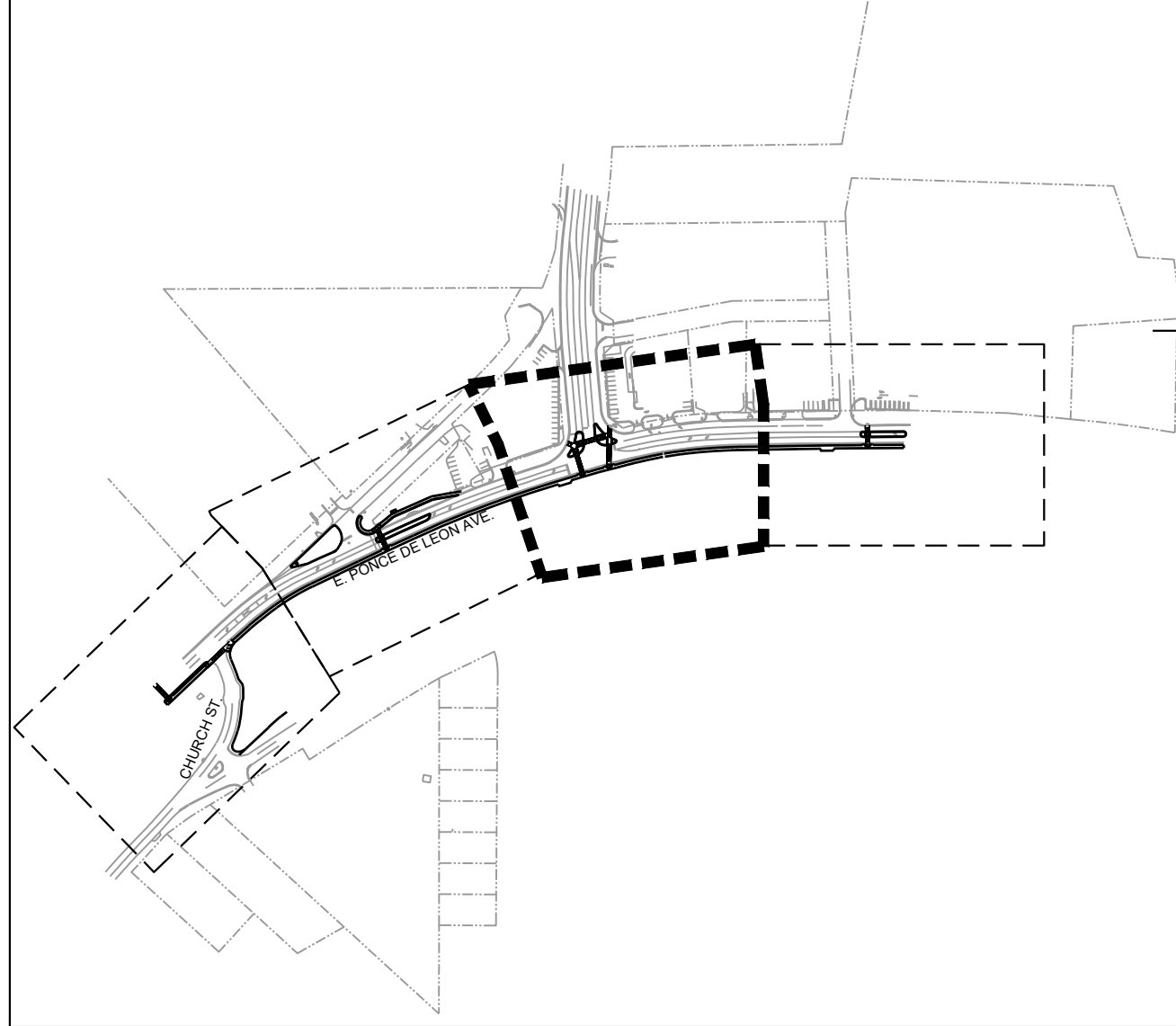


100% DRAWINGS

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100% SUBMITTAL							
A	10/12/2019	DATE	MARK	DESCRIPTION	DATE	APPR.	APPR.
DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE:	PLOT SCALE:	PLOT SIZE:
DWN BY: SPT	CHK BY: TN	SUBMITTED BY:	FILE NAME:	19-000.AWG	02/25/2019	22" x 34"	11"
<p>CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK</p> <p>POND 3000 Parkway Lane Clarkston, GA 30006 Phone 678.398.7740 Fax 678.398.7744</p>							
<p>PONCE/CHURCH SIDEWALKS</p> <p>DEMOLITION PLANS</p>							
<p>SHEET IDENTIFICATION NUMBER 19-002</p>							

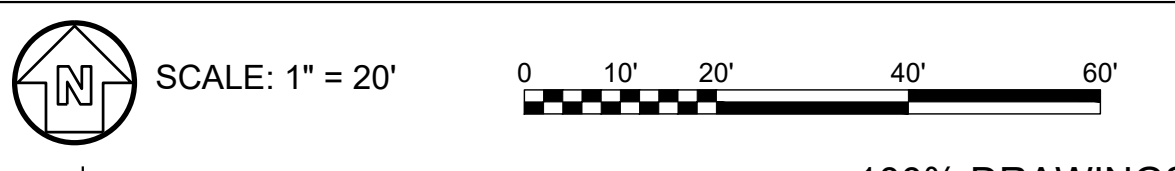


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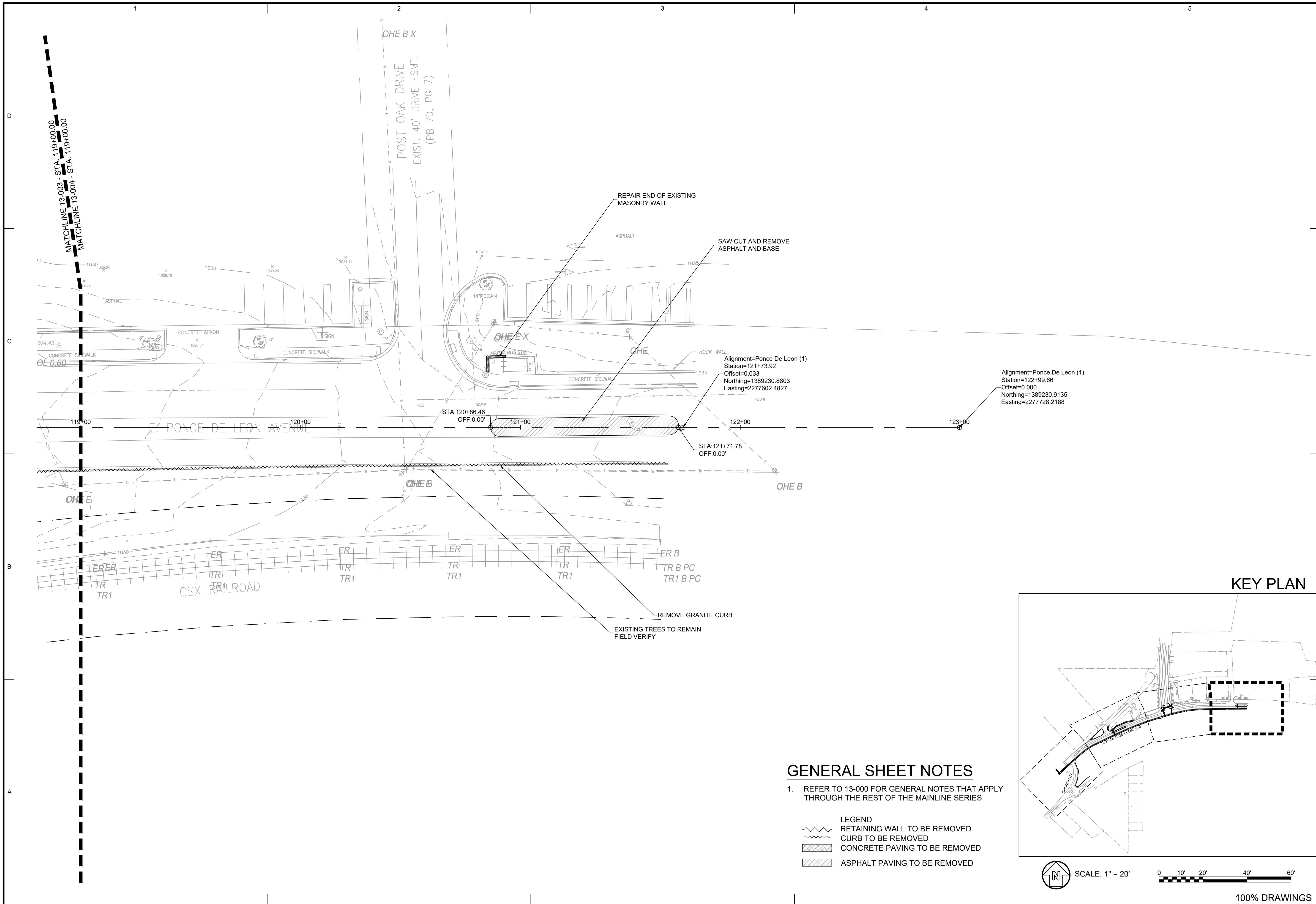


GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGHOUT THE REST OF THE MAINLINE SERIES
- LEGEND**
- RETAINING WALL TO BE REMOVED
 - CURB TO BE REMOVED
 - CONCRETE PAVING TO BE REMOVED
 - ASPHALT PAVING TO BE REMOVED



	SEAL			
100% SUBMITTAL	100% SUBMITTAL	DATE	APPR.	MARK
DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.: 22222019	CONTRACT NO.:	FILE NUMBER:
DRAWN BY: SPT	CHK BY: TN	SUBMITTED BY:	FILE NAME: 19-000.dwg	PLOT DATE: 02/25/2019
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK	POND	3500 Parkway Lane, Suite 500 Clarkston, GA 30026 Phone: 770.338.7740 Fax: 770.338.7744 POND PROJECT No. 1190154		
PONCE/CHURCH SIDEWALKS	DEMOLITION PLANS			
SHEET IDENTIFICATION NUMBER				
19-003				
100% DRAWINGS				

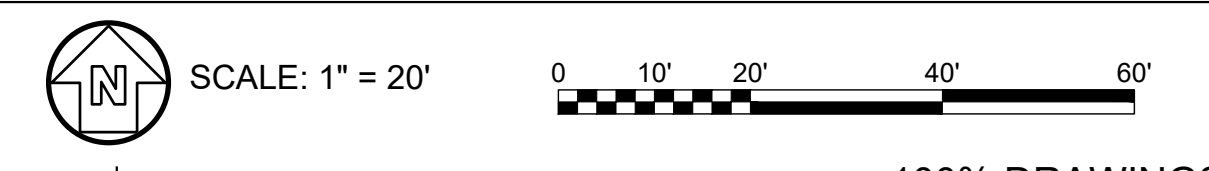


GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES

LEGEND

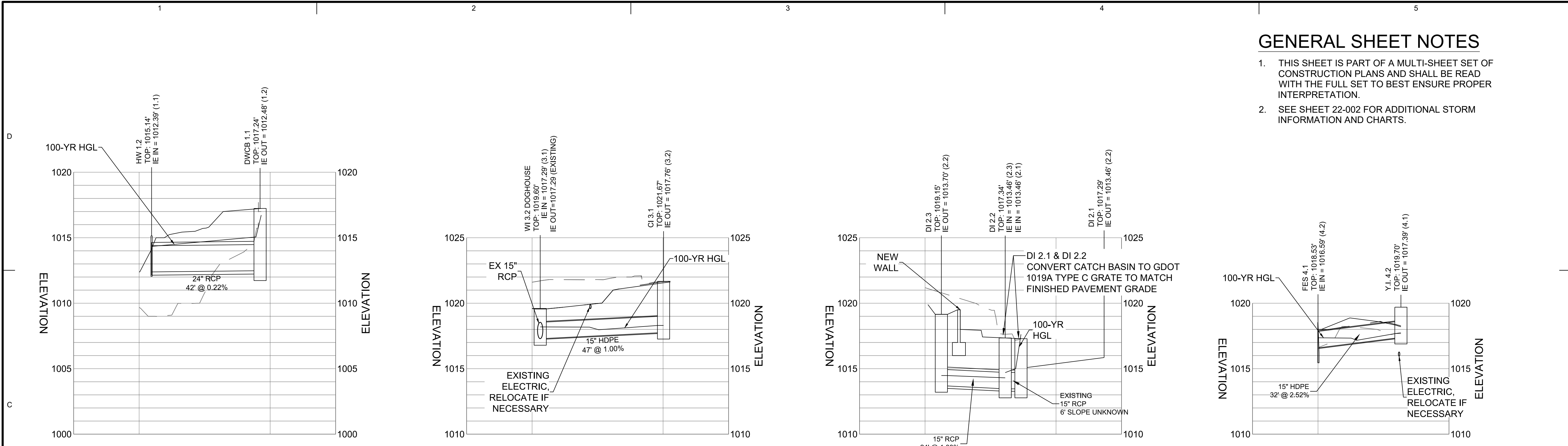
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100% DRAWINGS

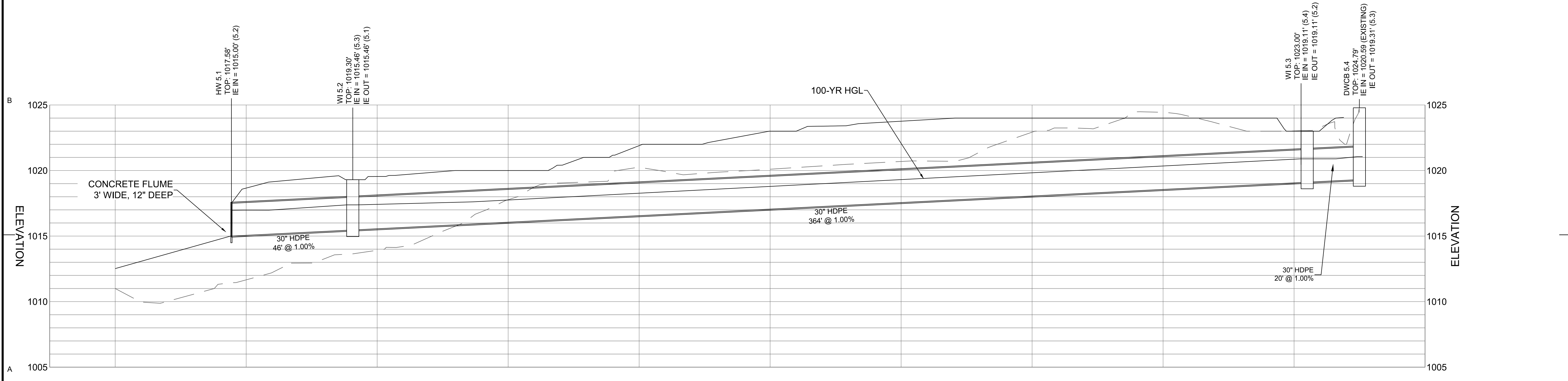
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DWN BY: SPT	CHK BY: JTN	SUBMITTED BY:	FILE NAME: 19-000.dwg	SIZE: 22' x 34'	PLOT SCALE: 1" = 20'		
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK		POND		3000 Parkway Lane Clarkston, GA 30009 Phone 678.338.7740 Fax 678.338.7744			
PONCE/CHURCH SIDEWALKS		DEMOLITION PLANS					
SHEET IDENTIFICATION NUMBER		19-004					

FILE PATH: \SWITCHBLADE\PROJECTS\FY19\190154\04_CAD_BIM\04_02_CAD\CHURCH & PONCEGG-101.DWG PLOTTED BY: THOMPSON, SYDNEY



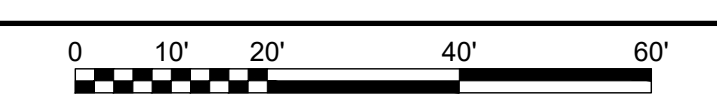
GENERAL SHEET NOTES

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- SEE SHEET 22-002 FOR ADDITIONAL STORM INFORMATION AND CHARTS.



A1 STORM SEWER PROFILES

SCALE: 1" = 20'



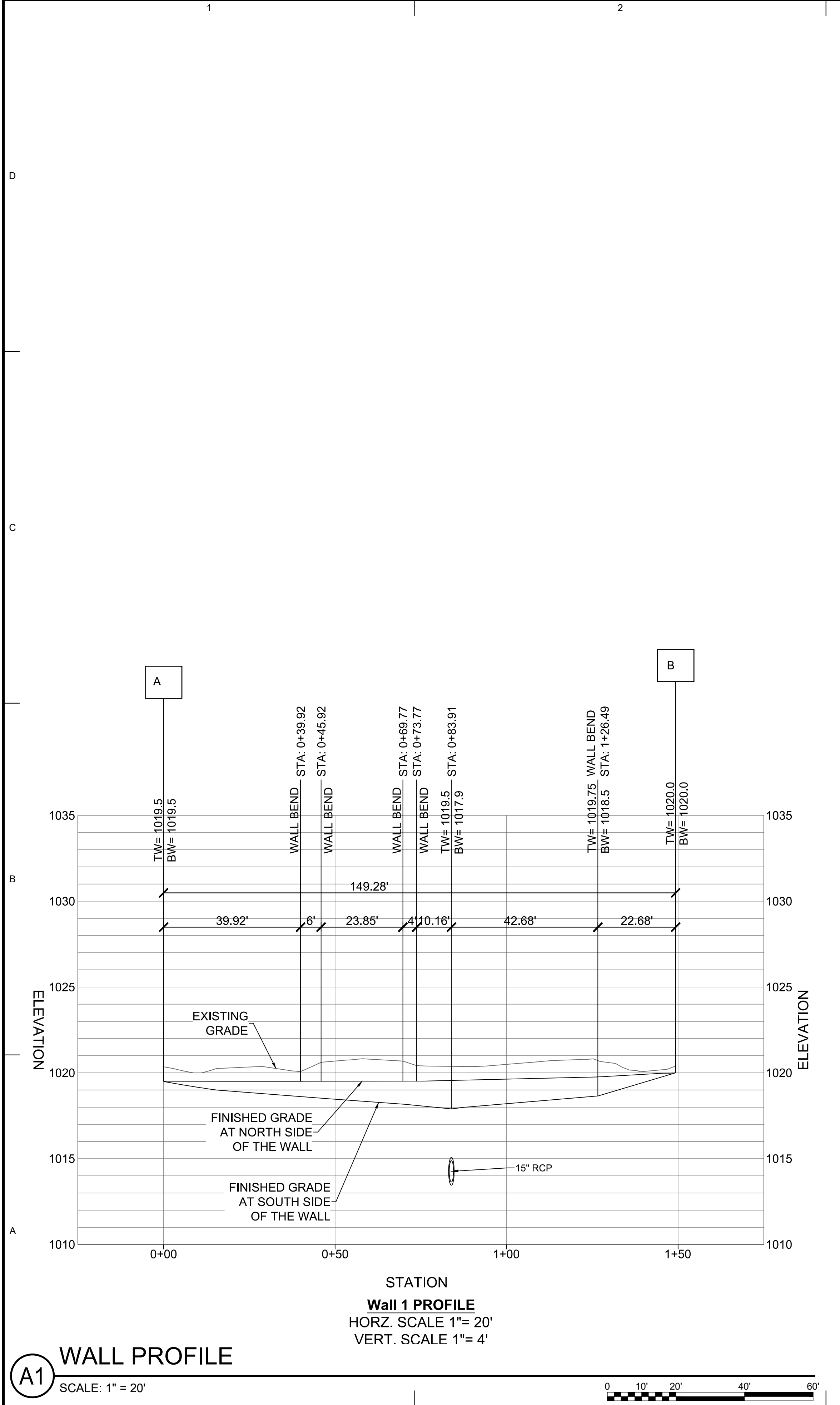
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1012019		SEAL	
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DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:
DESIGNED BY: RBJ	CHECKED BY: JVN	SUBMITTED BY:	FILE NAME: CG-101.DWG
DATE: 2/22/2019	DATE: 2/22/2019	DATE: 02/22/2019	DATE: 02/22/2019
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCECHURCH SIDEWALK		POND 3500 Parkway Lane 30052 SUITE 500 GA Phone: 678.397.740 Fax: 678.397.744	
PONCECHURCH SIDEWALKS		PROFILES	
SHEET IDENTIFICATION NUMBER		22-001	
100% DRAWINGS			

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\190154\04_CAD_BIM\04_02_CAD\CHURCH & PONCEICG-101.DWG PLOTTED BY: THOMPSON, SYDNEY

GENERAL SHEET NOTES

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WALL PROFILE
SCALE: 1" = 20'

Project Number: _____ County: _____ P.I. Number: _____

PH Resistivity: _____

Pipe Culvert Material Alternates

TYPE OF INSTALLATION	PIPE TYPE													
	CONCRETE	STEEL				ALUMINUM	THERMOPLASTIC							
	REINFORCED CONCRETE AASHTO M-77	CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36	CORRUGATED STEEL FLUX ZINC COATED AASHTO M-36	POLYMER COATED STEEL AASHTO M-242	CORRUGATED ALUMINUM AASHTO M-196	CORRUGATED HDPE AASHTO M-252	CORRUGATED SMOOTH LINED HDPE TYPE "S" AASHTO M-294	CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M-336	PVC CORRUGATED SMOOTH INTERIOR ASTM F-949	PVC Profile Wall Drain Pipe AASHTO M-384				
STORM DRAIN	INTERSTATE	X												
	NON INTERSTATE	X					X	X	X	X				
TRAVEL BEARING (UNDER FLOORBED)	ADT < 1,500	X					X	X	X	X				
	1,500 < ADT < 5,000	X					X	X	X	X				
	5,000 < ADT < 15,000	X					X	X	X	X				
	ADT > 15,000 & INTERSTATES	X												
	GRADE > 10%						X	X	X	X				
SIDE DRAIN	X						X	X	X	X				
PERMANENT SLOPE DRAIN		X	X	X	X		X	X	X	X				
PERFORATED UNDERDRAIN		X	X			X	X	X	X	X	X			

NOTES:

- Allowable materials are indicated by an "X".
- Structural, installation, fill height and backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications
- The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.
- Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.

Rev. 1-12-16

100-YEAR PIPE CHART

Line	To Line	Line Length (ft)	Incr. Area (ac)	Total Area (ac)	Runoff Coeff. (C)	Incr C x A	Total C x A	Inlet Time (min)	Time Conc (min)	Rnfl Int (in/hr)	Total Runoff (cfs)	Adnl Flow (cfs)	Total Flow (cfs)	Capac Full (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inv Elev (ft)	Inv Elev (ft)	HGL Up (ft)	HGL Dn (ft)	Grnd/Rim (ft)	Grnd/Rim (ft)	Line ID
1	Outfall	46	0.3	5.4	0.5	0.15	4.13	5	13	7.8	32.23	0	32.23	40.56	7.84	30	0.98	1015	1015.45	1016.97	1017.38	1017.75	1020	5.2-5.1
2	1	364	0.35	5.1	0.5	0.18	3.98	5	12.1	8.1	32.2	0	32.2	40.27	7.91	30	0.96	1015.45	1018.96	1017.38	1020.89	1020	1023	5.3-5.2
3	2	21,797	4.75	4.75	0.8	3.8	3.8	12	12	8.1	30.85	0	30.85	40.25	7.66	30	0.96	1018.96	1019.17	1020.89	1021.06	1023	1024.79	5.4-5.3
4	Outfall	47,077	0.2	0.2	0.8	0.16	0.16	5	5	11.6	1.86	0	1.86	6.45	2.8	15	1	1017.29	1017.76	1018.19	1018.3	1019.6	1021.67	3.1-3.2
5	Outfall	31,649	0.1	0.1	0.5	0.05	0.05	5	5	11.6	0.58	0	0.58	10.27	1.67	15	2.53	1016.59	1017.39	1017.36	1017.69	1018.53	1019.7	4.2-4.1
6	Outfall	24,358	0.2	0.2	0.5	0.1	0.1	5	5	11.6	1.16	0	1.16	6.41	2.24	15	0.99	1013.46	1013.7	1014.3	1014.12	1017.34	1019.15	2.3-2.2
7	Outfall	6,028	2.25	2.25	0.8	1.8	1.8	10	10	8.8	15.91	0	15.91	6.98	12.97	15	1	1013.46	1013.52	1014.7	1015.01	1017.34	1017.29	2.1-2.2
8	Outfall	41,841	4.6	4.6	0.8	3.68	3.68	10	10	8.8	32.53	0	32.53	11.36	10.39	24	0.22	1012.39	1012.48	1014.34	1015.06	1015.14	1017.19	1.1-1.2
9	Outfall	51.74	11.2	11.2	0.8	8.96	8.96	10	10	8.8	79.21	0	79.21	137.45	13.2	36 X 24	6.76	1008.89	1012.39	1011.89	1015.39	1025	1025	Culvert

STORM CHARTS

<div style="text-align: right;">SEAL</div>	
<div style="text-align: right;">DATE</div>	
<div style="text-align: right;">DESCRIPTION</div>	
<div style="text-align: right;">MARK</div>	
<div style="text-align: right;">100% SUBMITTAL</div>	
<div style="text-align: right;">10/12/2019</div>	
<div style="text-align: right;">APPR.</div>	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:
DRAWN BY: GBT	CHKD BY: JN	CONTRACT NO.:
SUBMITTED BY:	FILE NAME: CG-101.dwg	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE: 1:1	PLOT DATE: 02/25/2019

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

3600 Parkway Lane
Clarkston, GA 30025
Phone: 770.357.7740
Fax: 770.357.7744

POND PROJECT No. 1190154

PROFILES

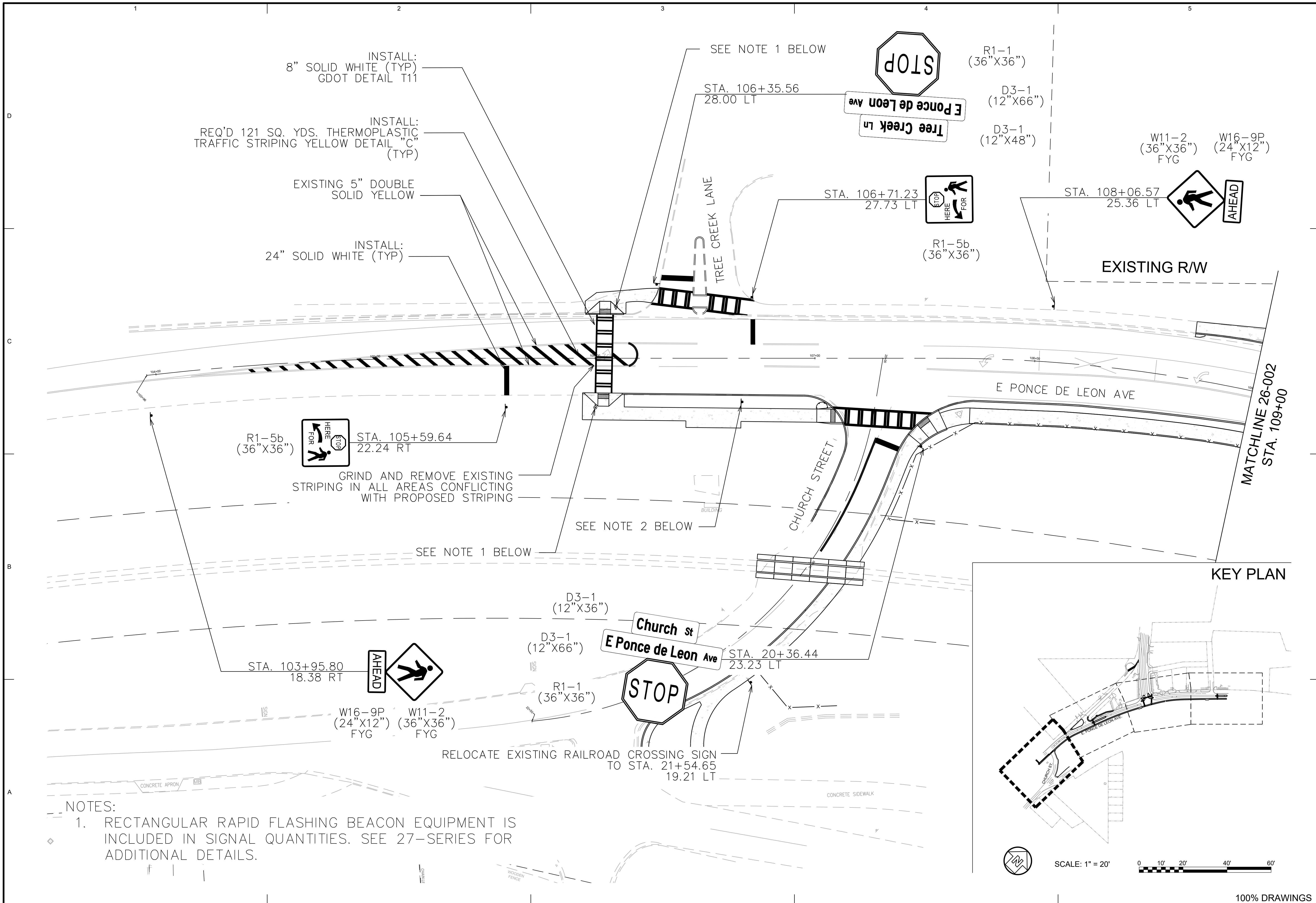
PONCE/CHURCH SIDEWALKS

SHEET IDENTIFICATION NUMBER	22-002
-----------------------------	--------

811 Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411

100% DRAWINGS

FILE PATH: \SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCEXREF_2017_FILES\06 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY



INSTALL:
8" SOLID WHITE (TYP)
GDOT DETAIL T11

INSTALL:
REQ'D 121 SQ. YDS. THERMOPLASTIC
TRAFFIC STRIPING YELLOW DETAIL "C"
(TYP)

EXISTING 5" DOUBLE
SOLID YELLOW

INSTALL:
24" SOLID WHITE (TYP)

SEE NOTE 1 BELOW

STA. 106+35.56
28.00 LT

R1-1
(36"X36")
D3-1
(12"X66")
D3-1
(12"X48")

W11-2
(36"X36")
FYG
W16-9P
(24"X12")
FYG

STA. 106+71.23
27.73 LT

STA. 108+06.57
25.36 LT

R1-5b
(36"X36")

EXISTING R/W

MATCHLINE 26-002
STA. 109+00

R1-5b
(36"X36")

STA. 105+59.64
22.24 RT

GRIND AND REMOVE EXISTING
STRIPING IN ALL AREAS CONFLICTING
WITH PROPOSED STRIPING

SEE NOTE 2 BELOW

SEE NOTE 1 BELOW

STA. 103+95.80
18.38 RT

W16-9P
(24"X12")
FYG
W11-2
(36"X36")
FYG

D3-1
(12"X36")

D3-1
(12"X66")

R1-1
(36"X36")

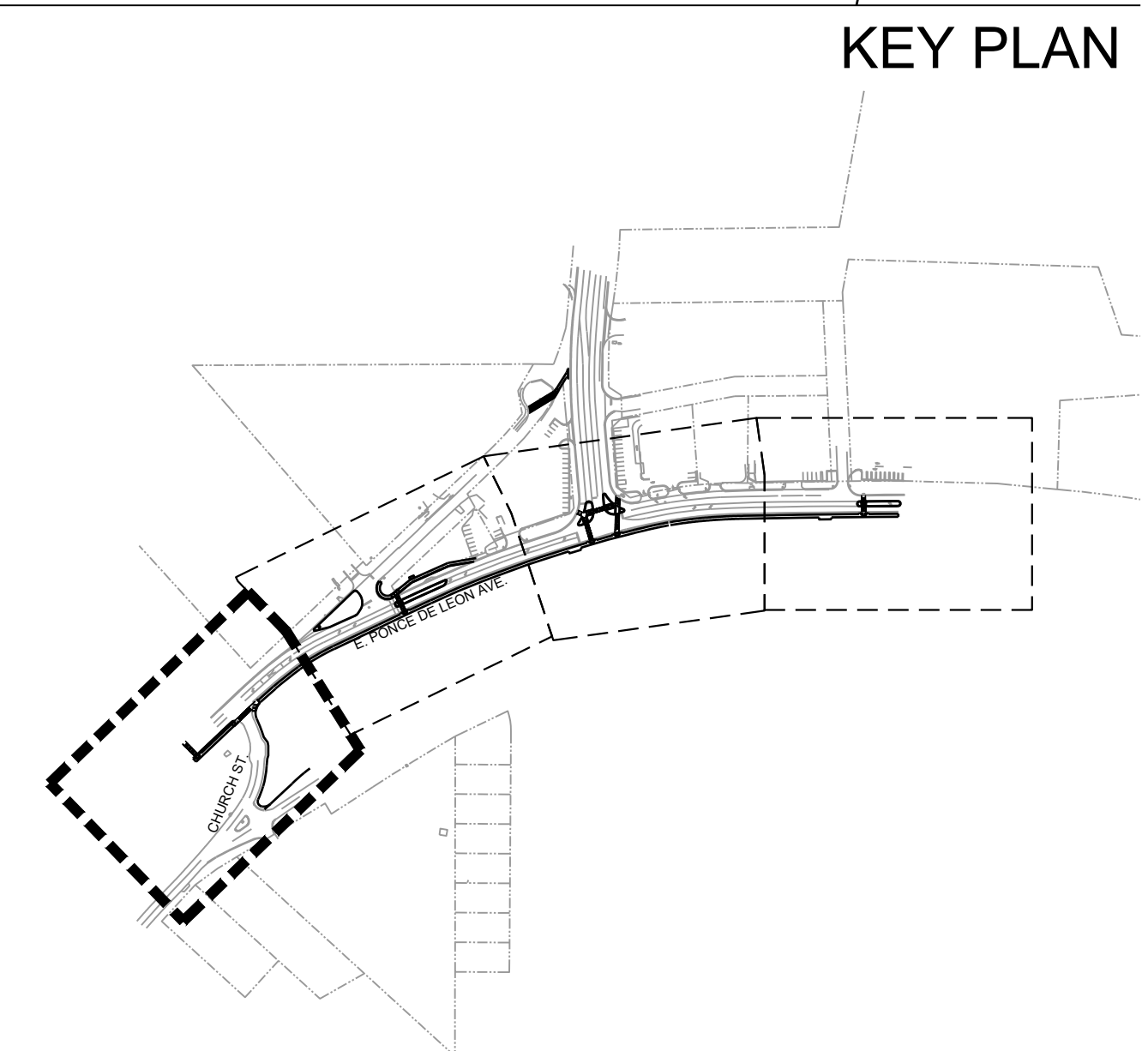
STA. 20+36.44
23.23 LT

RELOCATE EXISTING RAILROAD CROSSING SIGN
TO STA. 21+54.65
19.21 LT

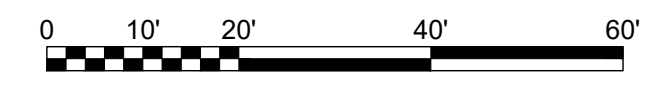
NOTES:

- RECTANGULAR RAPID FLASHING BEACON EQUIPMENT IS INCLUDED IN SIGNAL QUANTITIES. SEE 27-SERIES FOR ADDITIONAL DETAILS.

KEY PLAN



SCALE: 1" = 20'



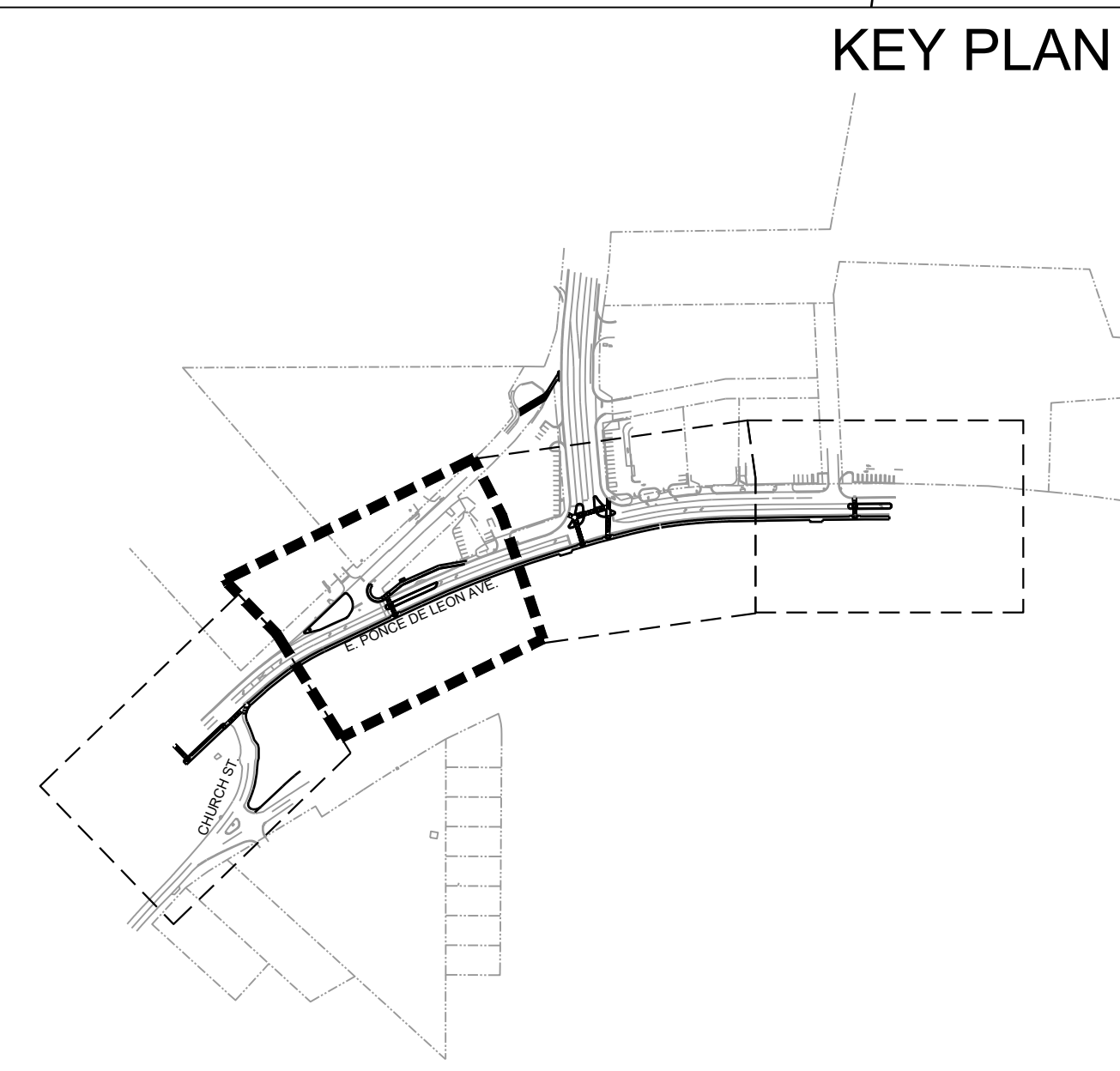
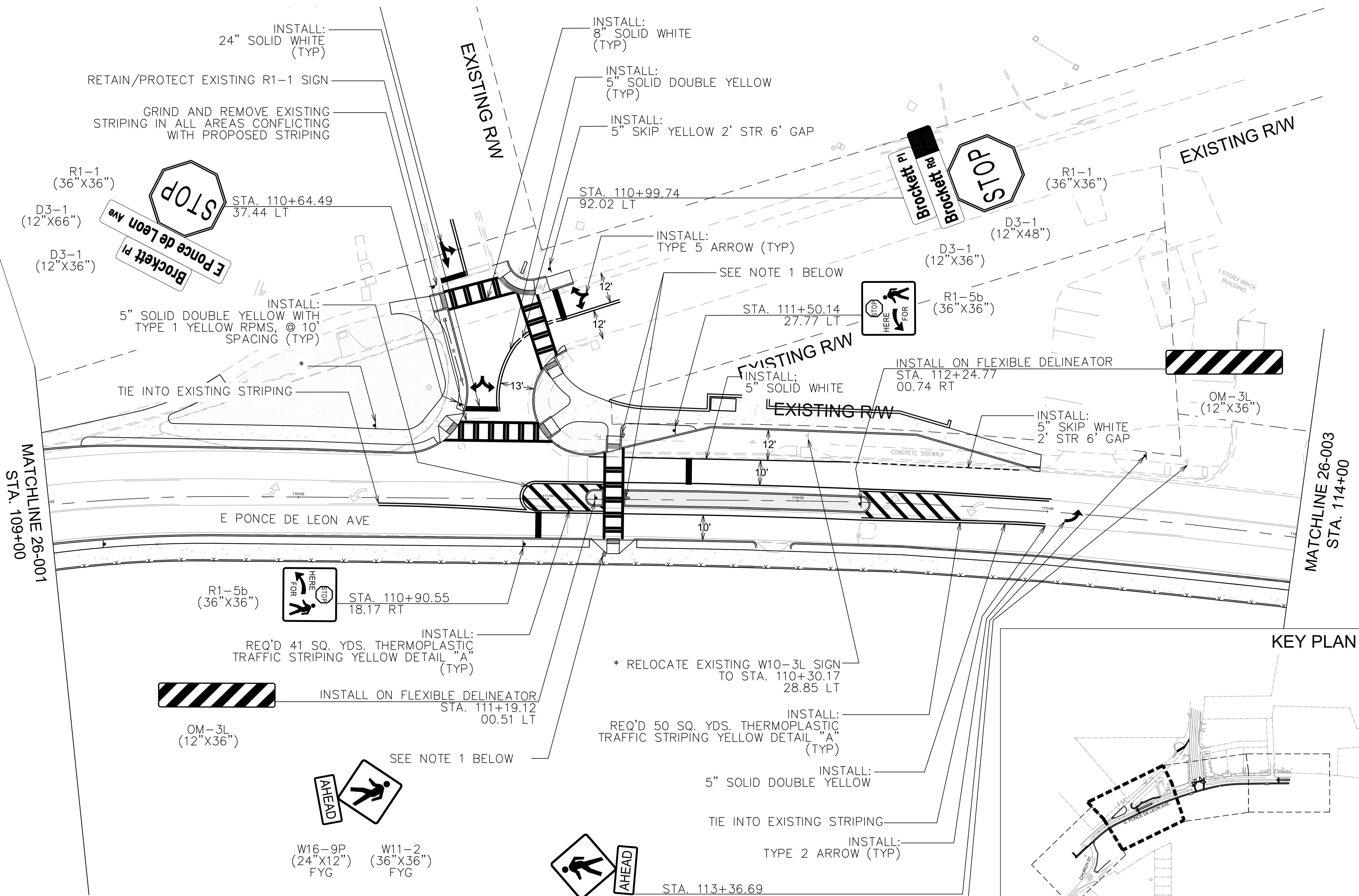
100% DRAWINGS

SEAL	
DESIGNED BY: RBJ	DATE: NOV 27, 2018
DWN BY: SPT	SOLICITATION NO.:
SUBMITTED BY:	CONTRACT NO.:
FILE NAME: 26 Series.dwg	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE: 1" = 20'
	PLOT DATE: 02/25/2019
	DATE
	APPR.
A	50% PLAN SUBMITTAL
B	75% PLAN SUBMITTAL
	MARK
	DESCRIPTION
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION	
 3000 Parkway Lane 30096 SUITE 500 30096 SUITE 500 Phone 678.338.7740 Fax 678.338.7744 POND PROJECT No. 1180426	
PONCE/CHURCH INTERSECTION	
SIGNING AND MARKING PLANS	
SHEET IDENTIFICATION NUMBER	
26-001	

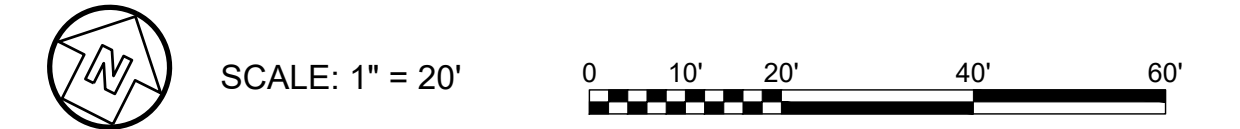
FILE PATH: \\SWITCHBLADE\PROJECTS\19119015404\CAD_BIM\04.02.CAD\CHURCH & PONCEXREF_2017_FILES\06 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY

MATCHLINE 26-001
STA. 109+00

MATCHLINE 26-003
STA. 114+00



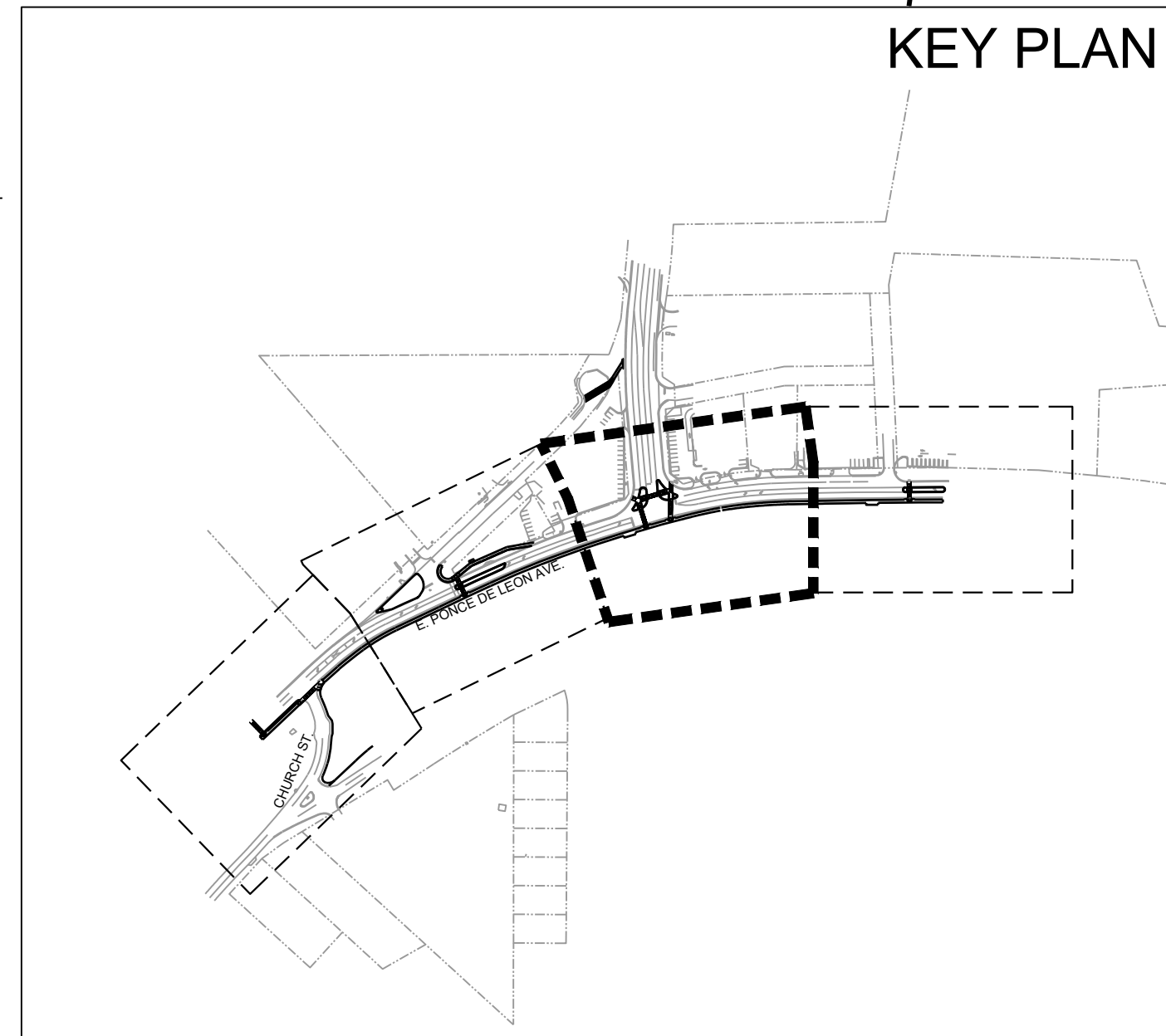
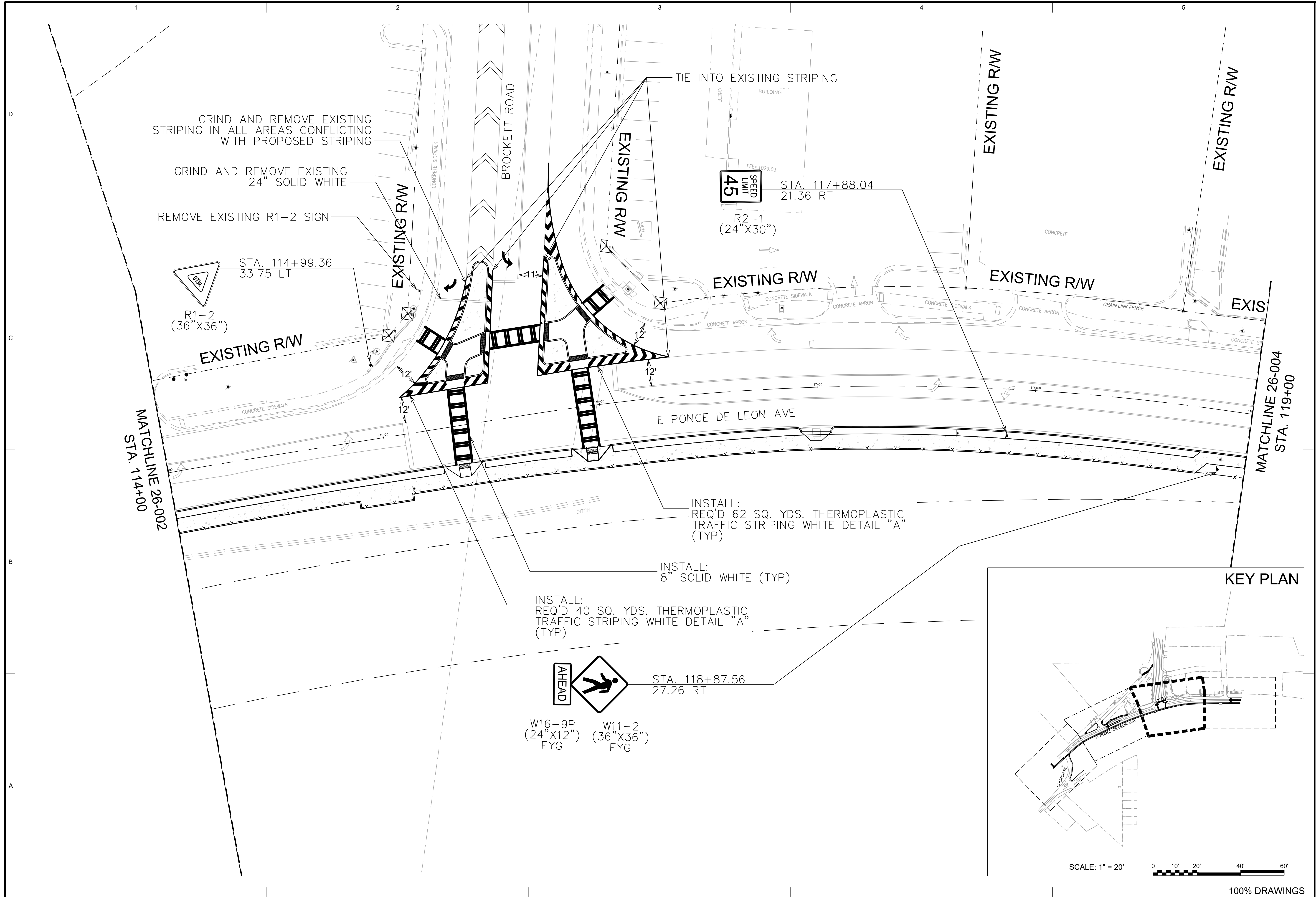
NOTES:
1. RECTANGULAR RAPID FLASHING BEACON EQUIPMENT IS INCLUDED IN SIGNAL QUANTITIES. SEE 27-SERIES FOR ADDITIONAL DETAILS.



100% DRAWINGS

SEAL	
DESIGNED BY: RBJ	DATE: NOV/27/2018
DWN BY: SPT	SOLICITATION NO.:
SUBMITTED BY:	CONTRACT NO.:
FILE NAME: 26 Series.dwg	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE: 1" = 20'
MARK	DESCRIPTION
DATE	APPR.
9/13/2018	12/6/2018
A	50% PLAN SUBMITTAL
B	75% PLAN SUBMITTAL
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION POND 3000 Parkway Lane, Suite 500 Clarkston, GA 30006 Phone: 678.398.7740 Fax: 678.398.7744 POND PROJECT No. 1180426	
PONCE/CHURCH INTERSECTION	
SIGNING AND MARKING PLANS	
SHEET IDENTIFICATION NUMBER	
26-002	

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02\CAD\CHURCH & PONCE\REF_2017_FILES\06 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY



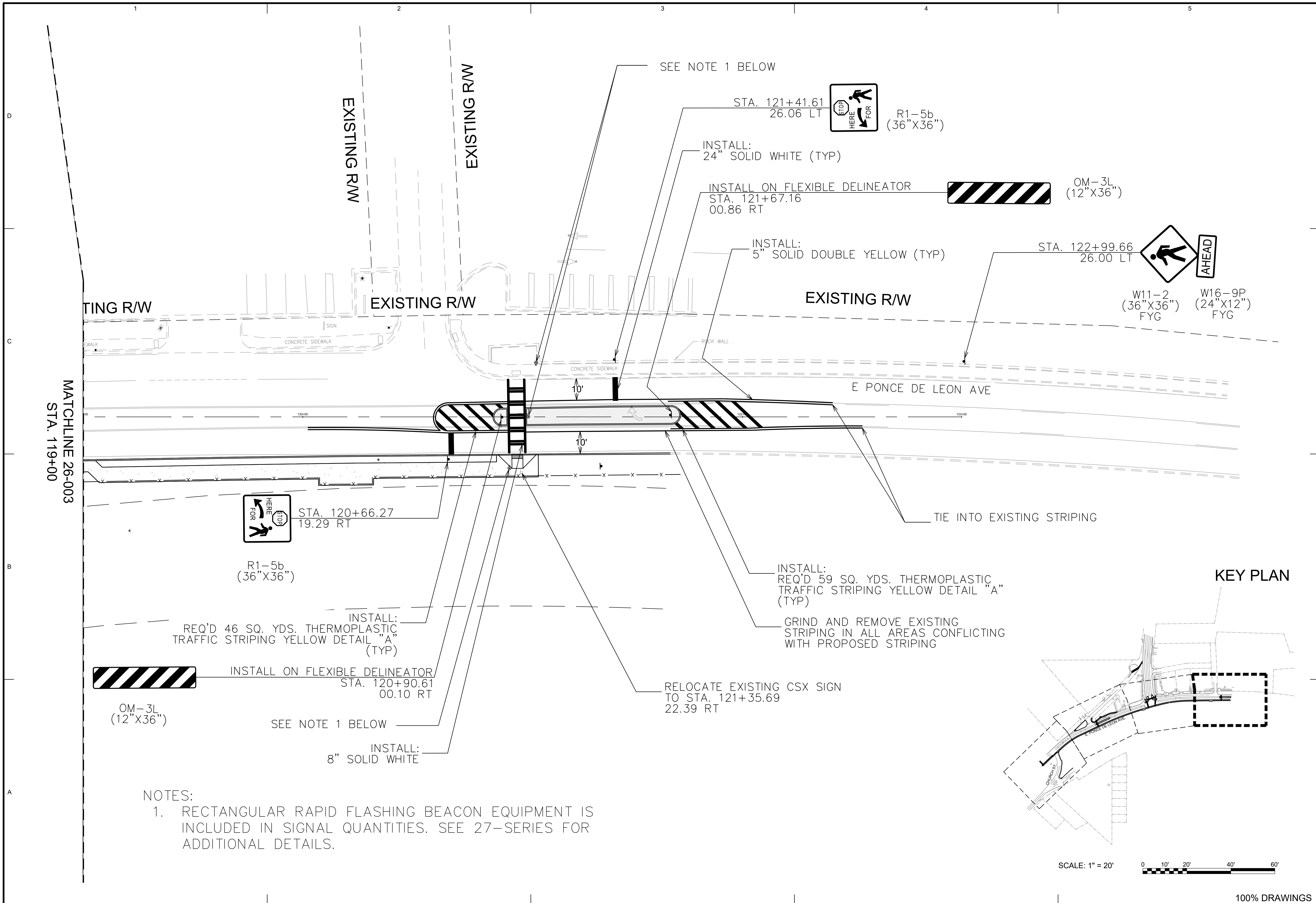
SCALE: 1" = 20'

0 10' 20' 40' 60'

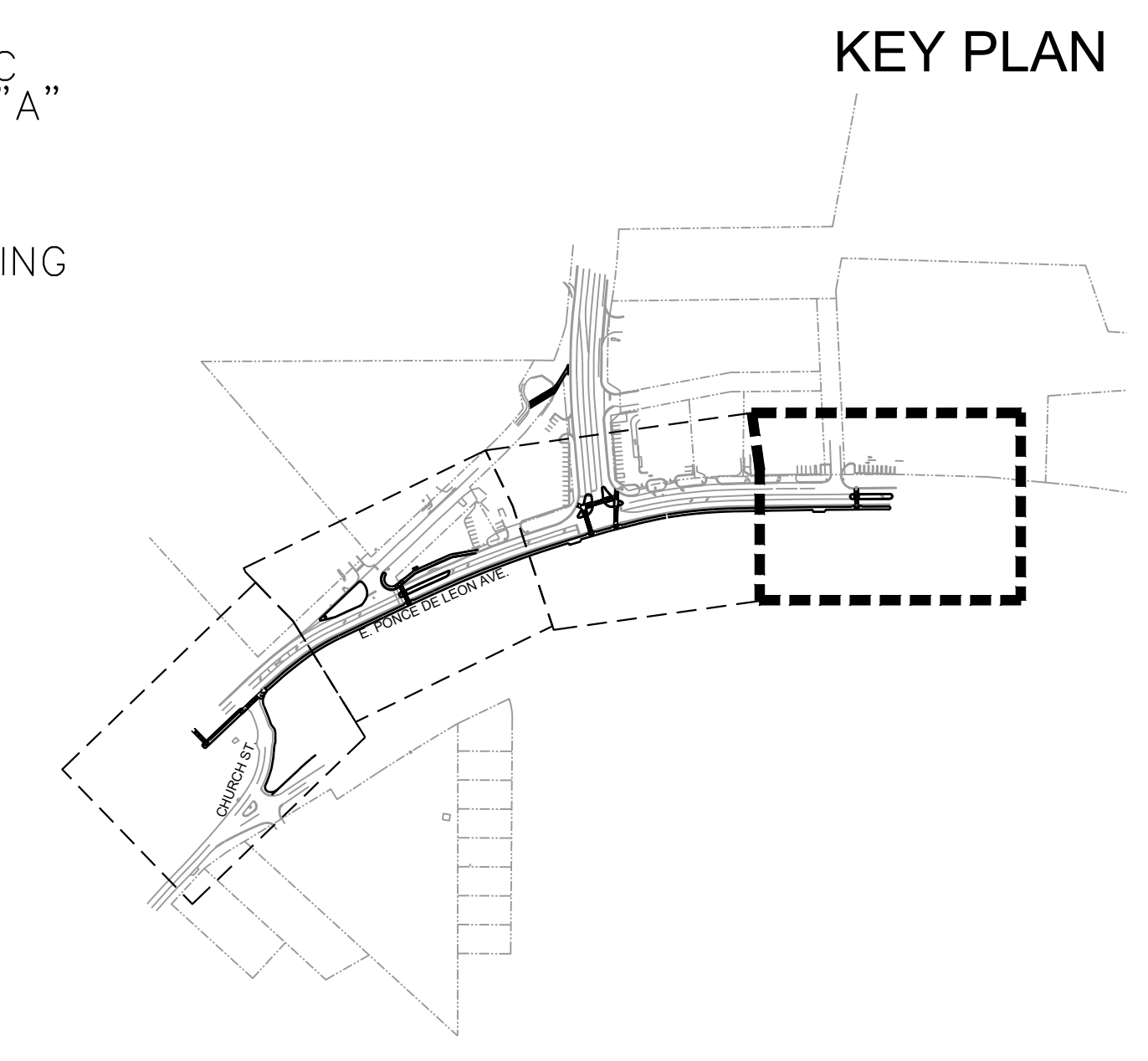
100% DRAWINGS

SEAL	
A 50% PLAN SUBMITTAL 9/13/2018	B 75% PLAN SUBMITTAL 12/6/2018
DESIGNED BY: RBJ DATE: NOV/27, 2018	SOLICITATION NO.: CONTRACT NO.:
DRAWN BY: SPT CHECKED BY:	FILE NAME: 26_Signing.dwg FILE NUMBER: 02252019 PLOT DATE: 02/25/2019
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION	
3000 Parkway Lane Clarkston, GA 30026 Phone 678.338.7740 Fax 678.338.7744	
PONCE/CHURCH INTERSECTION	
SIGNING AND MARKING PLANS	
SHEET IDENTIFICATION NUMBER 26-003	

FILE PATH: \SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCEXREF_2017_FILES\06 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY



NOTES:
 1. RECTANGULAR RAPID FLASHING BEACON EQUIPMENT IS INCLUDED IN SIGNAL QUANTITIES. SEE 27-SERIES FOR ADDITIONAL DETAILS.

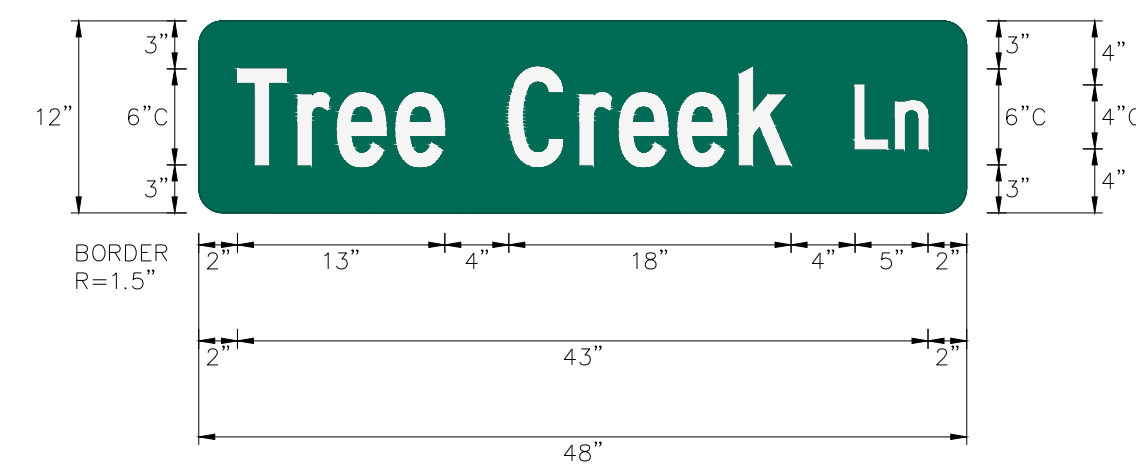
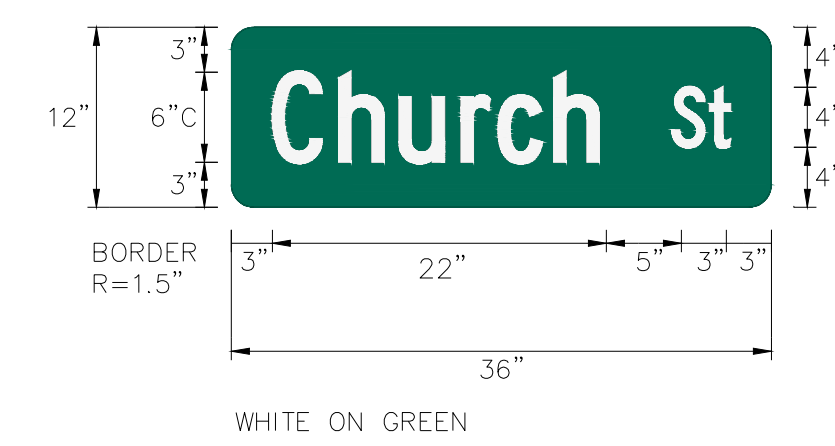
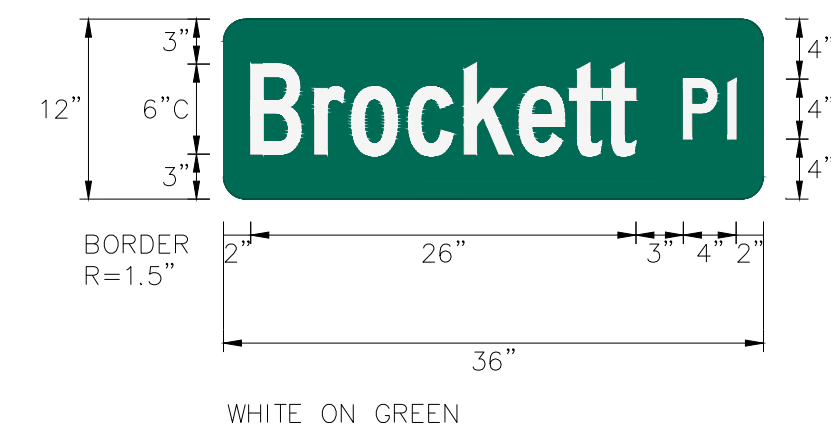
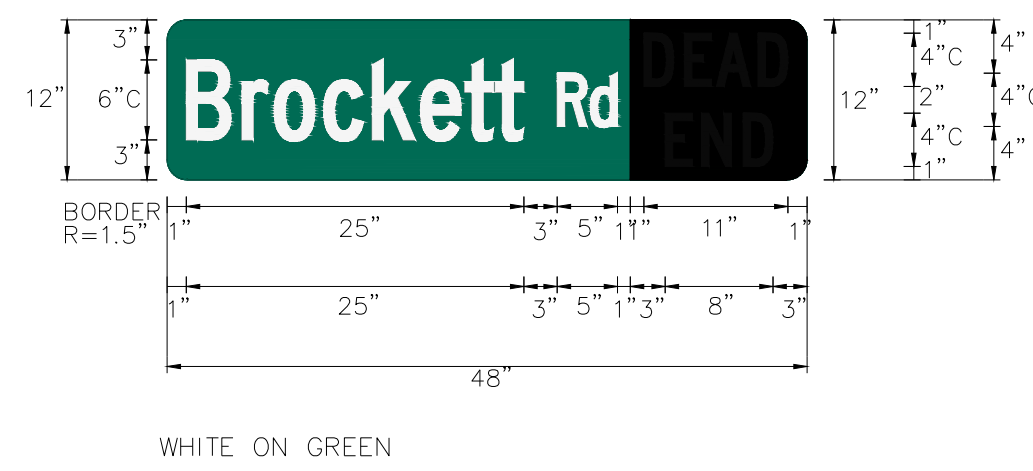
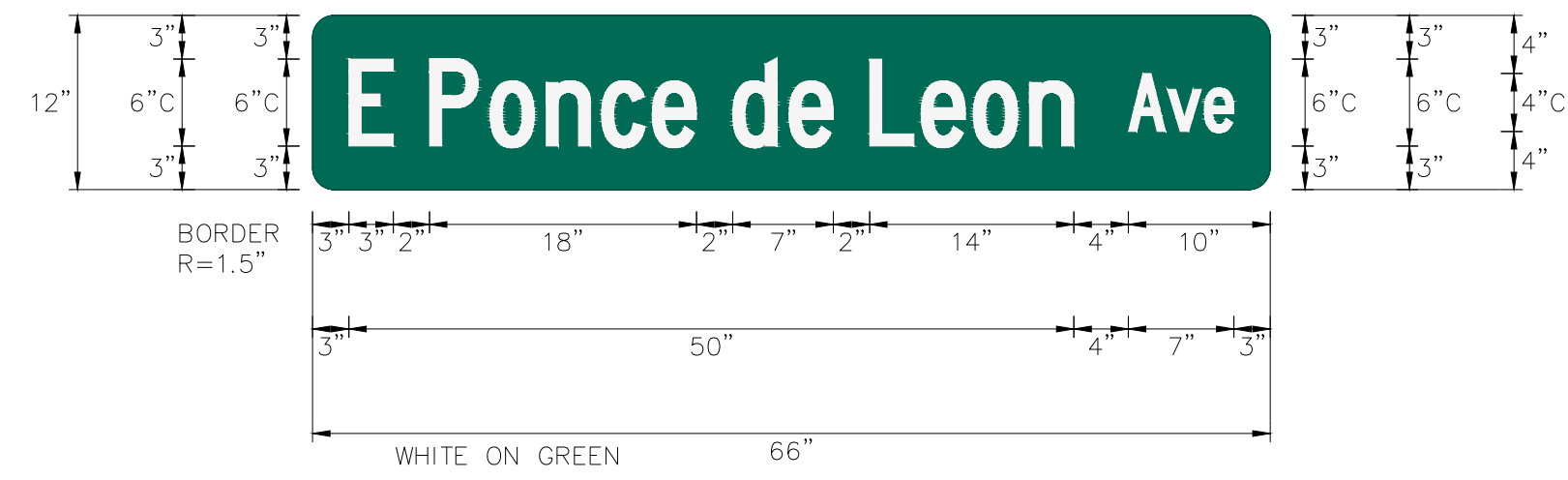


SCALE: 1" = 20'

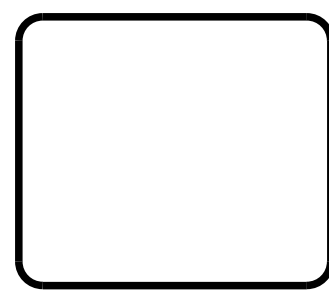
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DESIGNED BY: RBJ DWN BY: SPT SUBMITTED BY:	DATE: NOV/27/2018 SOLICITATION NO.: CONTRACT NO.: FILE NAME: 26 Series.dwg SIZE: 22" x 34" PLOT SCALE: 1" = 20'
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION 3000 Parkway Lane Clarkston, GA 30009, SUITE 500 Phone 678.338.7740 Fax 678.338.7744 POND PROJECT No. 1180426	
PONCE/CHURCH INTERSECTION	SIGNING AND MARKING PLANS
SHEET IDENTIFICATION NUMBER 26-004	

100% DRAWINGS

POST MOUNTED SIGN DETAILS



Panel Style: D3-1.ssi
M.U.T.C.D.: 2009 Edition



50% PLAN SUBMITTAL	9/13/2018
75% PLAN SUBMITTAL	12/6/2018

MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: RBJ	DATE: 10/27/2018
DWN BY: SPT	SOLICITATION NO.:
	CONTRACT NO.:
	FILE NAME: 26 Series.dwg
	FILE NUMBER:
	SIZE: 22" x 34"
	PLOT SCALE: 1:1
	PLOT DATE: 02/25/2019

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane
Clarkston, GA 30009
Phone 678.338.7740
POND PROJECT No. 1180426 Fax 678.338.7744

PONCE/CHURCH INTERSECTION

SIGN DETAILS

SHEET IDENTIFICATION NUMBER
26-005

FILE PATH: \S\MITCHELLE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\REF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY

EXISTING UTILITIES

- EXISTING GUY WIRE
- EX. OH ELECTRIC
- EX POWER POLE
- EX TRANSFORMER
- EX. UG ELECTRIC
- EX GAS LINE
- EX GAS METER
- EX GAS VALVE
- EX WATER LINE
- EX FIRE HYDRANT
- EX WATER METER
- EX WATER VALVE
- EX SANITARY SEWER
- EX SS MANHOLE
- EX TELEPHONE MH
- EX OH TELEPHONE
- EX TELEPHONE POLE
- EX UG TELEPHONE
- EX OH CABLE TV
- EX UG CABLE TV
- EX STORM DRAIN
- EX CATCH BASIN
- EX DROP INLET
- EX SD MANHOLE

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 5 SECTION HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX, TP 1
- PULLBOX, TP 2
- PULLBOX, TP 4
- PULLBOX, TP 5
- 6x6 CALL LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 3 SECTION HEAD W/ BACKPLATE
- 4 SECTION HEAD
- 4 SECTION HEAD W/ BACKPLATE
- 5 SECTION HEAD
- 5 SECTION HEAD W/ BACKPLATE
- OVERHEAD STREET NAME SIGN
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX, TP 2
- PULLBOX, TP 3
- PULLBOX, TP 4
- PULLBOX, TP 6
- PULLBOX, TP 7
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT (BORED)
- CONDUIT (TRENCHED)
- RAILROAD CONTROLLER
- SIGN POST
- ELECTRICAL SERVICE POINT
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE
- VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)

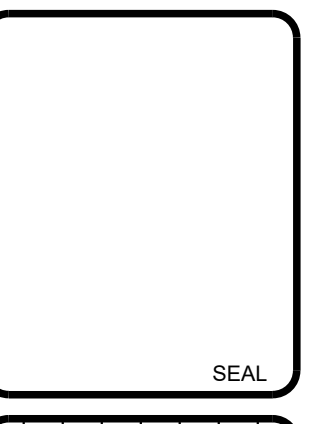
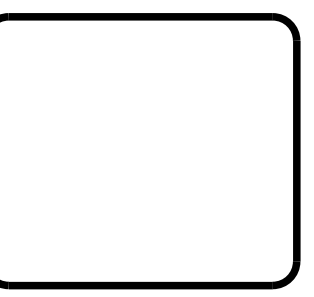
PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS.....BLA	
REQUIRED R/W LINE		END LIMIT OF ACCESS.....ELA	
CONSTRUCTION LIMITS		LIMIT OF ACCESS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS	
EASEMENT FOR CONSTR OF SLOPES			
EASEMENT FOR CONSTR OF DRIVES			

SEAL	
50% PLAN SUBMITTAL	DATE
75% PLAN SUBMITTAL	APPR.
DESCRIPTION	MARK
DESIGNED BY: RBJ	DATE: NOV/27, 2018
DWN BY: SPT	SOLICITATION NO.:
CHK BY:	CONTRACT NO.:
SUBMITTED BY:	FILE NUMBER:
FILE NAME: 27 Series.dwg	PLOT DATE: 02/25/2019
SIZE: 22" x 34"	PLOT SCALE: 1" = 11'
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION POND 3000 Parkway Lane 30092 SUITE 500 Phone 678.387.7740 Fax 678.387.7744 POND PROJECT No.1180426	
PONCE/CHURCH INTERSECTION	
SIGNAL PLANS - SIGNAL LEGEND	
SHEET IDENTIFICATION NUMBER	
27-001	

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
3. THE CONTRACTOR SHALL LOCATE UNDERGROUND AND OVERHEAD UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS (UP TO 5 FEET, MAXIMUM) IN LOCATION OF NEW SIGNAL POLES ARE ACCEPTABLE TO AVOID UNDERGROUND AND OVERHEAD UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. INSTALLATION OF TRAFFIC SIGNAL AT THIS INTERSECTION IS TO BE CHECKED AND ACCEPTED BY THE CITY OF CLARKSTON TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
6. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE CITY OF CLARKSTON DEPARTMENT OF PUBLIC WORKS. CONTACT THE DEPARTMENT OF PUBLIC WORKS AT (404) 296-6489.
7. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
8. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN GDOT SPECIFICATIONS.
9. ALL EXISTING STOP BARS, WORDS, ARROWS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.
10. ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.
11. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED DUE TO CONTRACTOR'S ACTIVITIES.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNALS, DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE THE COST, AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION, IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD, 30 DAYS, OF UNINTERRUPTED OPERATION. THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO THE CITY OF CLARKSTON (THE MAINTAINING AGENCY).
14. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE GDOT STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION
15. THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE AS SHOWN IN GA SPECIFICATION 201 TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO CITY OF CLARKSTON

FILE PATH: USWITCHBLADE\PROJECTS\FY19\119015404.CAD_BIM\04.02.CAD\CHURCH & PONCE\REF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY



9/13/2018	12/6/2018				
A	50% PLAN SUBMITTAL				
B	75% PLAN SUBMITTAL				
				DATE	APPR.
				MARK	DESCRIPTION

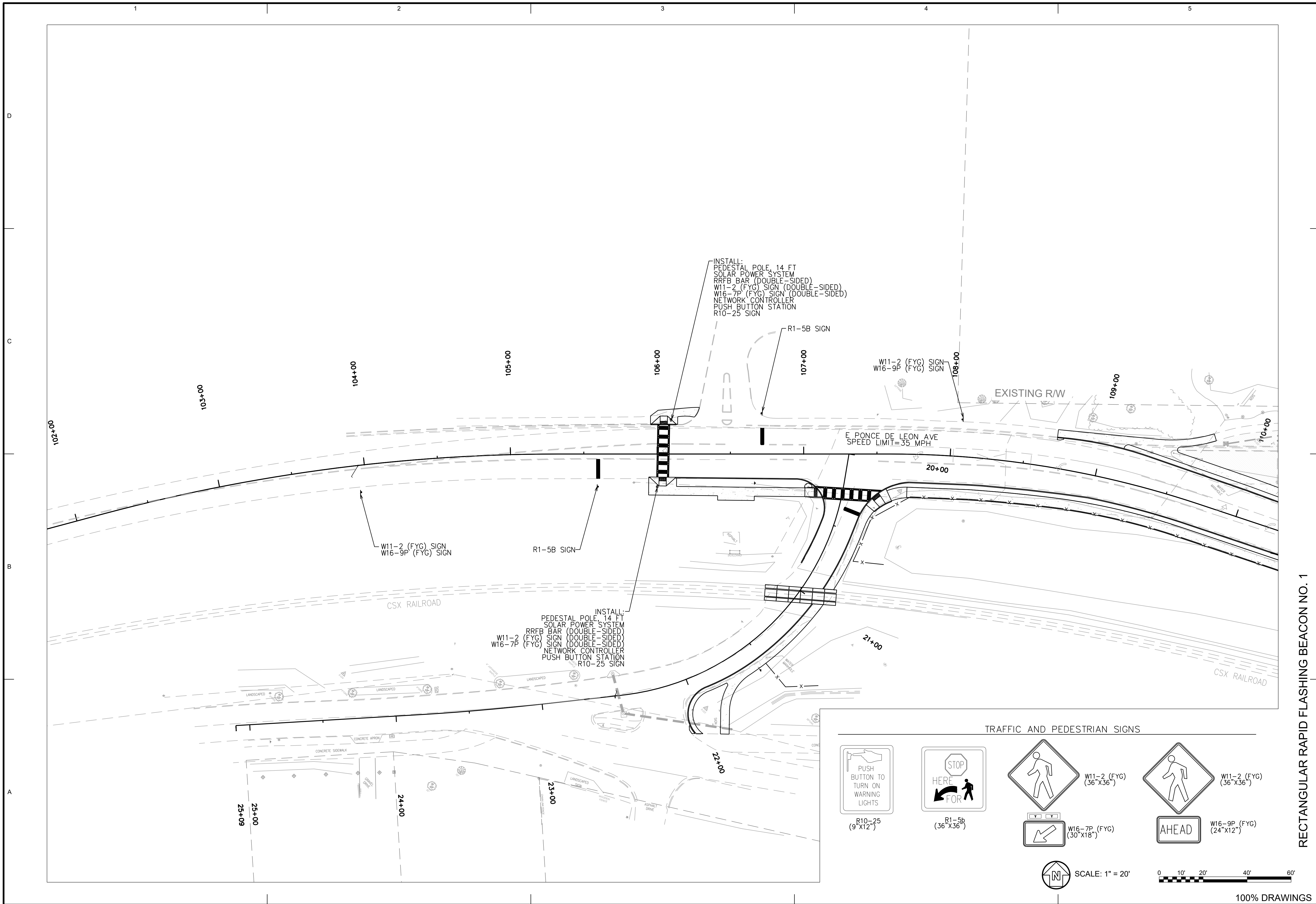
DESIGNED BY: RBJ	DATE: NOV/27, 2018
DWN BY: SPT	SOLICITATION NO.:
CHK BY:	CONTRACT NO.:
SUBMITTED BY:	FILE NUMBER:
FILE NAME: 27 Series.dwg	PLOT DATE: 02/25/2019
SIZE: 22" x 34"	PLOT SCALE: 1:1

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3000 Parkway Lane
 Clarkston, GA 30009
 Phone 678.338.7740
 POND PROJECT No. 1180426 Fax: 678.338.7744

PONCE/CHURCH INTERSECTION
 SIGNAL PLANS - GENERAL NOTES

SHEET IDENTIFICATION NUMBER
27-002



TRAFFIC AND PEDESTRIAN SIGNS

 R10-25 (9"x12")	 R1-5b (36"x36")	 W16-7P (FYG) (30"x18")	 W11-2 (FYG) (36"x36")	 W16-9P (FYG) (24"x12")
------------------------	------------------------	-------------------------------	------------------------------	-------------------------------

SCALE: 1" = 20'

RECTANGULAR RAPID FLASHING BEACON NO. 1

SEAL							
A	50% PLAN SUBMITTAL	9/13/2018	DATE	MARK	DESCRIPTION	DATE	APPR.
B	75% PLAN SUBMITTAL	12/6/2018	DATE	MARK	DESCRIPTION	DATE	APPR.
DESIGNED BY: RBJ		DATE: NOV/27/2018	SOLICITATION NO.:		CONTRACT NO.:		FILE NUMBER:
DRAWN BY: SPT		CHK BY:	SUBMITTED BY:		FILE NAME:		FILE DATE:
					27_Sigref.dwg		02/25/2019
					SIZE: 22" x 34"		PLOT SCALE: 1" = 11'
CITY OF CLARKSTON SPLIST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION		 3000 Parkway Lane Clarkston, GA 30026 Phone: 678.338.7740 Fax: 678.338.7744					
PONCE/CHURCH INTERSECTION		SIGNAL PLANS					
SHEET IDENTIFICATION NUMBER 27-003							

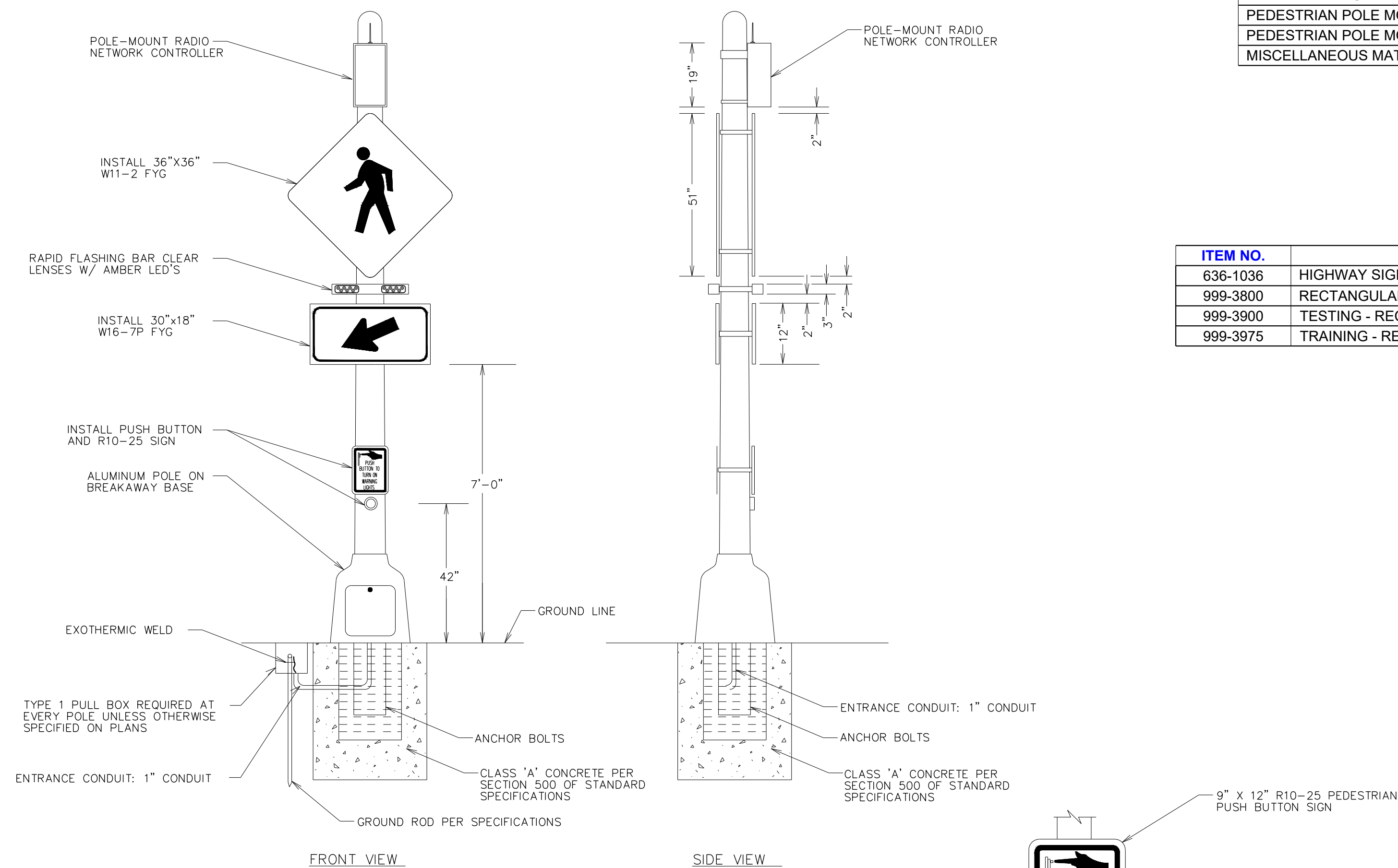
LIST OF MATERIALS – RECTANGULAR RAPID FLASHING BEACON NO. 1

LIST OF MATERIALS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE (BLACK POWDER COAT FINISH)	EA	2
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1. 9"x12" R10-25	EA	2
PEDESTRIAN PUSH BUTTON STATION ADAPTERS (ONLY)	EA	2
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	2
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	2
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	44
999-3800	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 1	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1



RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION
DOUBLE-SIDED

- NOTE:
- LOCATIONS REQUIRING SINGLE SIDED INSTALLATIONS SHALL ONLY INCLUDE ASSOCIATED EQUIPMENT NEEDED FOR SUCH
 - SEE GDOT DETAIL TS-03A (SHEET 40-013) FOR MORE INFORMATION ON THE POLE FOUNDATION.

SUMMARY OF QUANTITIES
RECTANGULAR RAPID FLASHING BEACON NO. 1

PONCE/CHURCH INTERSECTION
SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-004

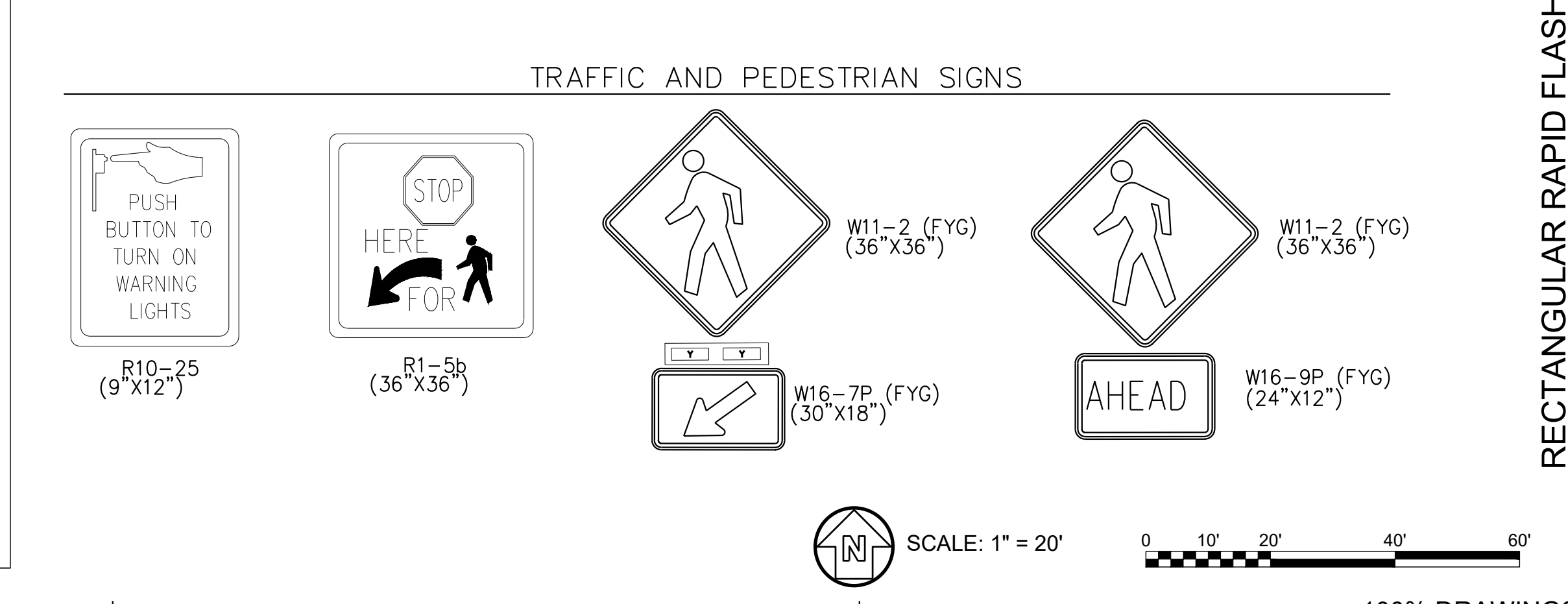
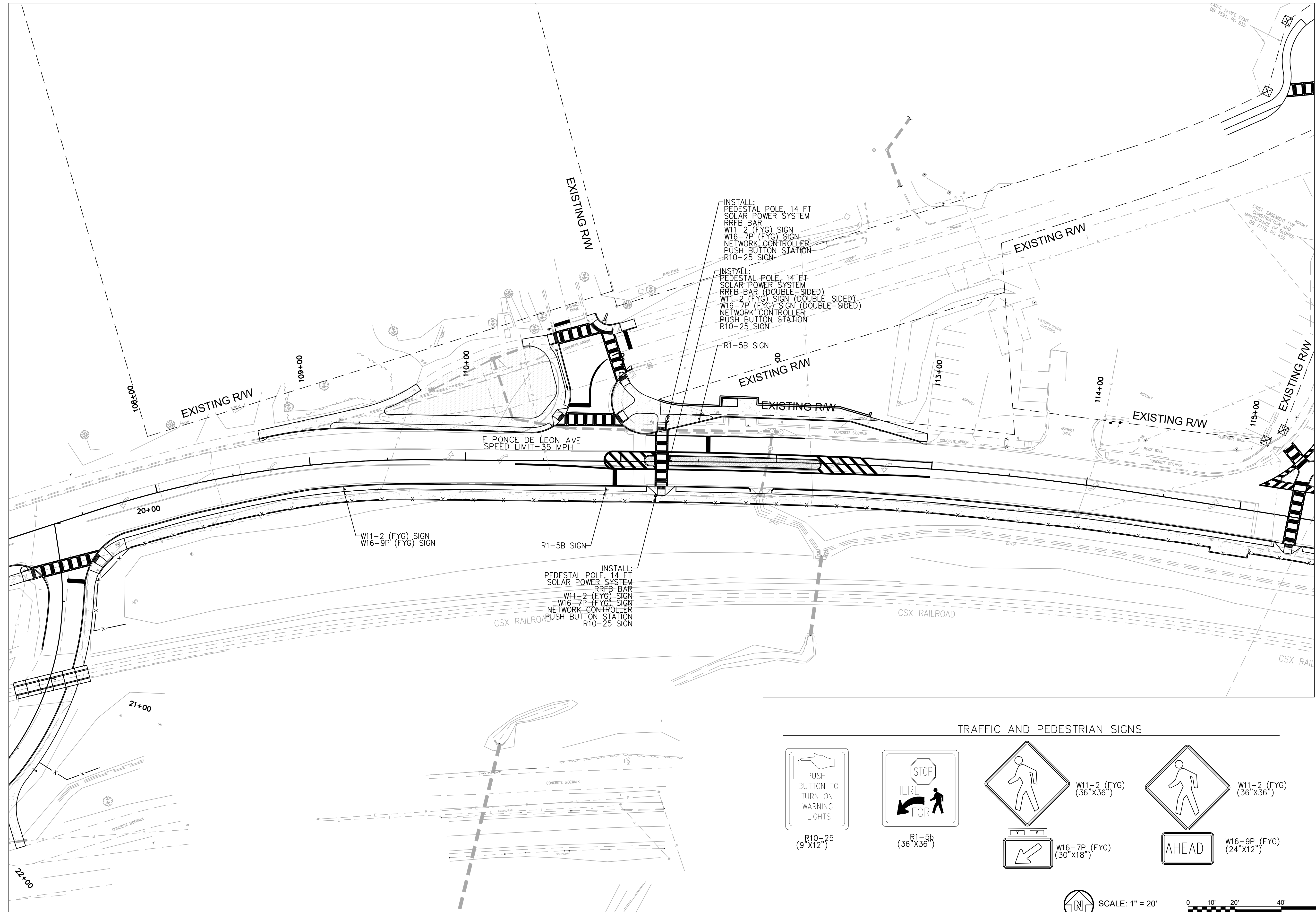
CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION
POND PROJECT No.1180426
3000 Parkway Lane
30096 SUITE 500
Phone 678.387.7740
Fax 678.387.7744

DESIGNED BY: RBJ
DATE: NOV/27, 2018
DWN BY: SPT
CHK BY:
SUBMITTED BY:
FILE NAME: 27_Signal.dwg
SIZE: 22' x 34'
PLOT SCALE: 1:1

CONTRACT NO.:
FILE NUMBER:
PLOT DATE: 02/25/2019

5/13/2018
12/6/2018
A 50% PLAN SUBMITTAL
B 75% PLAN SUBMITTAL
MARK DESCRIPTION DATE APPR.

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY



RECTANGULAR RAPID FLASHING BEACON NO. 2

DESIGNED BY: RBJ		DATE: NOV/27/2018
DWN BY: SPT	CHK BY:	SOLICITATION NO.:
SUBMITTED BY:	FILE NAME:	CONTRACT NO.:
FILE NAME: 27 Series.dwg	SIZE: 22' x 34'	FILE NUMBER: 02/25/2019
DATE: 12/6/2018	MARK	DESCRIPTION
9/13/2018	50% PLAN SUBMITTAL	
12/6/2018	75% PLAN SUBMITTAL	

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane
Clarkston, GA 30009
Phone 678.398.7740
Fax 678.398.7744
POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION

SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-005

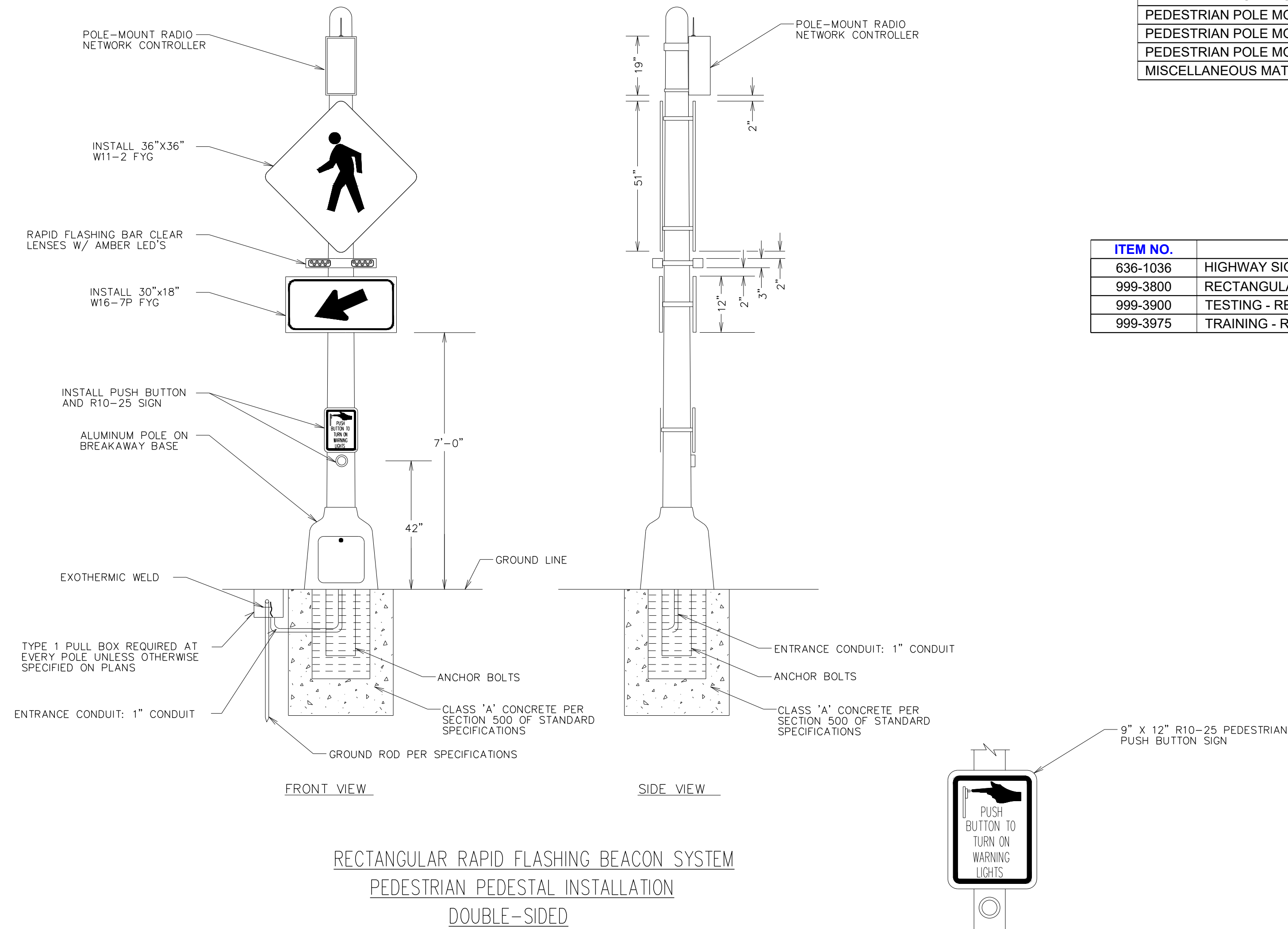
LIST OF MATERIALS – RECTANGULAR RAPID FLASHING BEACON NO. 2

LIST OF MATERIALS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE (BLACK POWDER COAT FINISH)	EA	3
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1. 9"x12" R10-25	EA	4
PEDESTRIAN PUSH BUTTON STATION ADAPTERS (ONLY)	EA	4
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	3
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	3
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	44
999-3800	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 2	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1

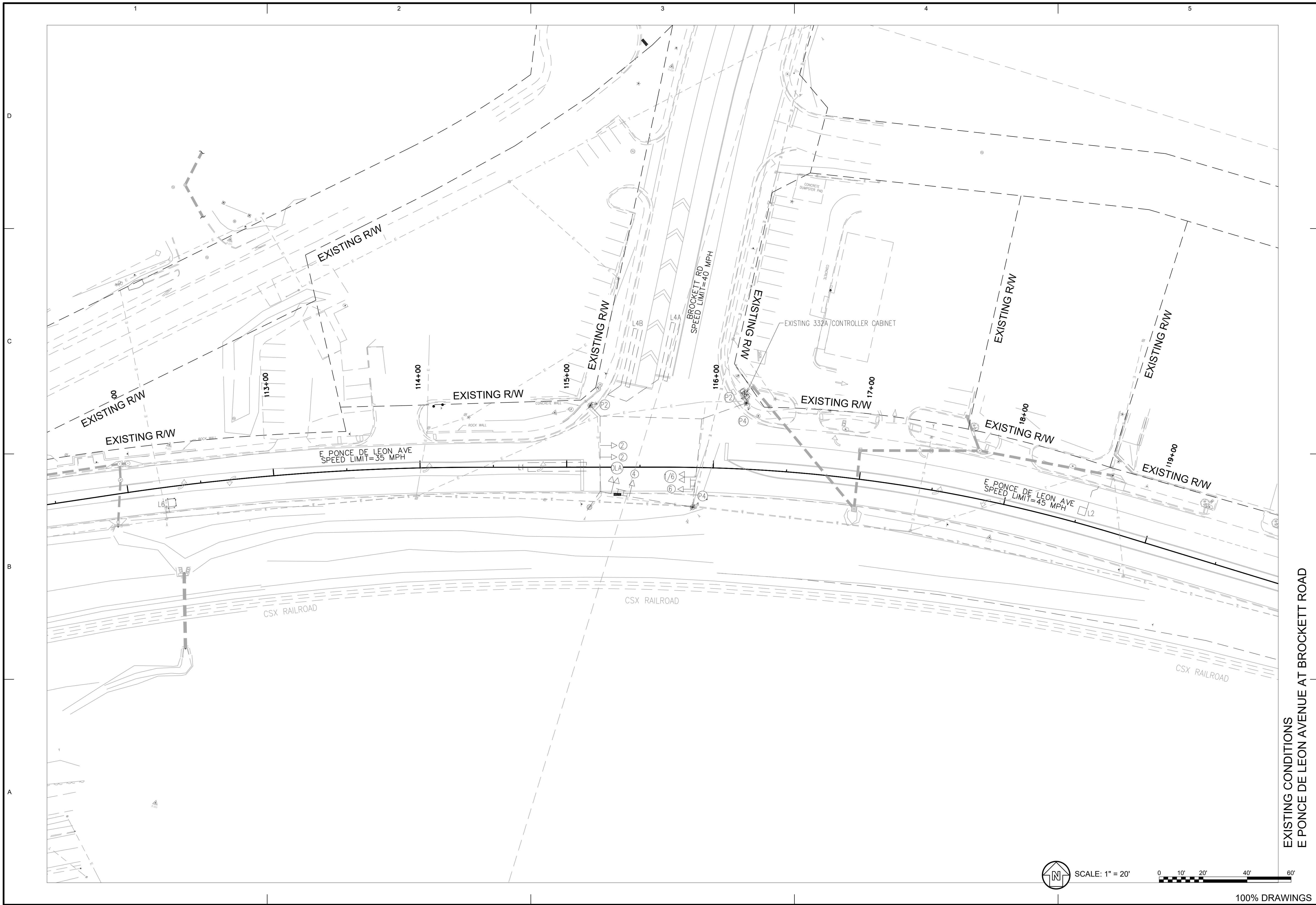


NOTE:
 1. LOCATIONS REQUIRING SINGLE SIDED INSTALLATIONS SHALL ONLY INCLUDE ASSOCIATED EQUIPMENT NEEDED FOR SUCH
 2. SEE GDOT DETAIL TS-03A (SHEET 40-013) FOR MORE INFORMATION ON THE POLE FOUNDATION.

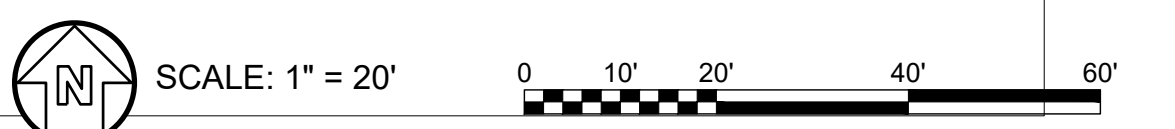
SUMMARY OF QUANTITIES
RECTANGULAR RAPID FLASHING BEACON NO. 2

CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION		POND <small>3000 Parkway Lane 30092 SUITE 500 Phone 678.389.7740 POND PROJECT No.1180426 Fax 678.387.7744</small>	
DESIGNED BY: RBJ	DATE: NOV/27/2018	SUBMITTED BY:	FILE NAME: 27_Series.dwg
DWN BY: SPT	SOLICITATION NO.:	FILE NUMBER:	SIZE: 22" x 34"
	CONTRACT NO.:	PLOT SCALE:	1:1
		PLOT DATE:	02/25/2019
POND/CHURCH INTERSECTION		SIGNAL PLANS	
SHEET IDENTIFICATION NUMBER		27-006	

FILE PATH: \SWITCHBLADE\PROJECTS\FY19\119015404.CAD_BIM\04.02.CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY



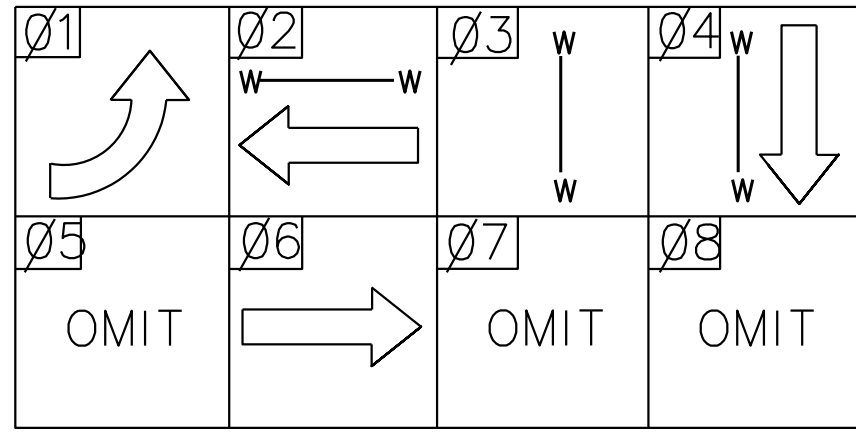
EXISTING CONDITIONS
E PONCE DE LEON AVENUE AT BROCKETT ROAD



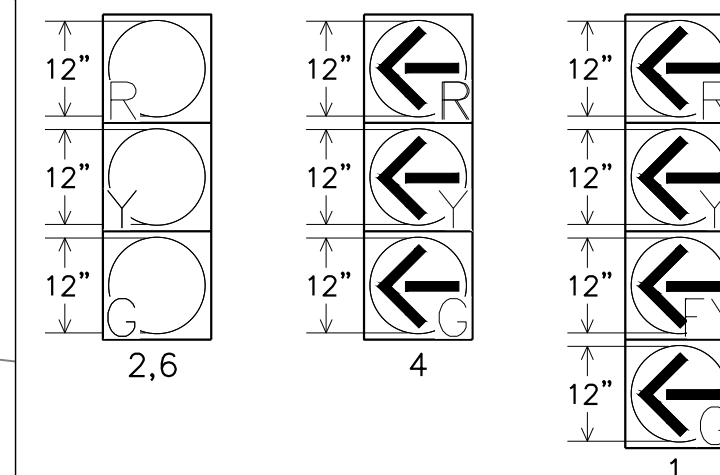
POND 3000 Parkway Lane Suite 500 Phone 678.338.7740 Fax 678.338.7744		DESIGNED BY: RBJ DATE: NOV/27/2018 DWN BY: CKD BY: SPT SUBMITTED BY: FILE NAME: 27_Sigref.dwg SIZE: 22' x 34' 11"	SOLICITATION NO.: CONTRACT NO.: FILE NUMBER: PLOT DATE: 02/25/2019
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION		50% PLAN SUBMITTAL 75% PLAN SUBMITTAL	
PONCE/CHURCH INTERSECTION SIGNAL PLANS		MARK DESCRIPTION DATE APPR.	
SHEET IDENTIFICATION NUMBER 27-007		SEAL	

FILE PATH: \S\WITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY

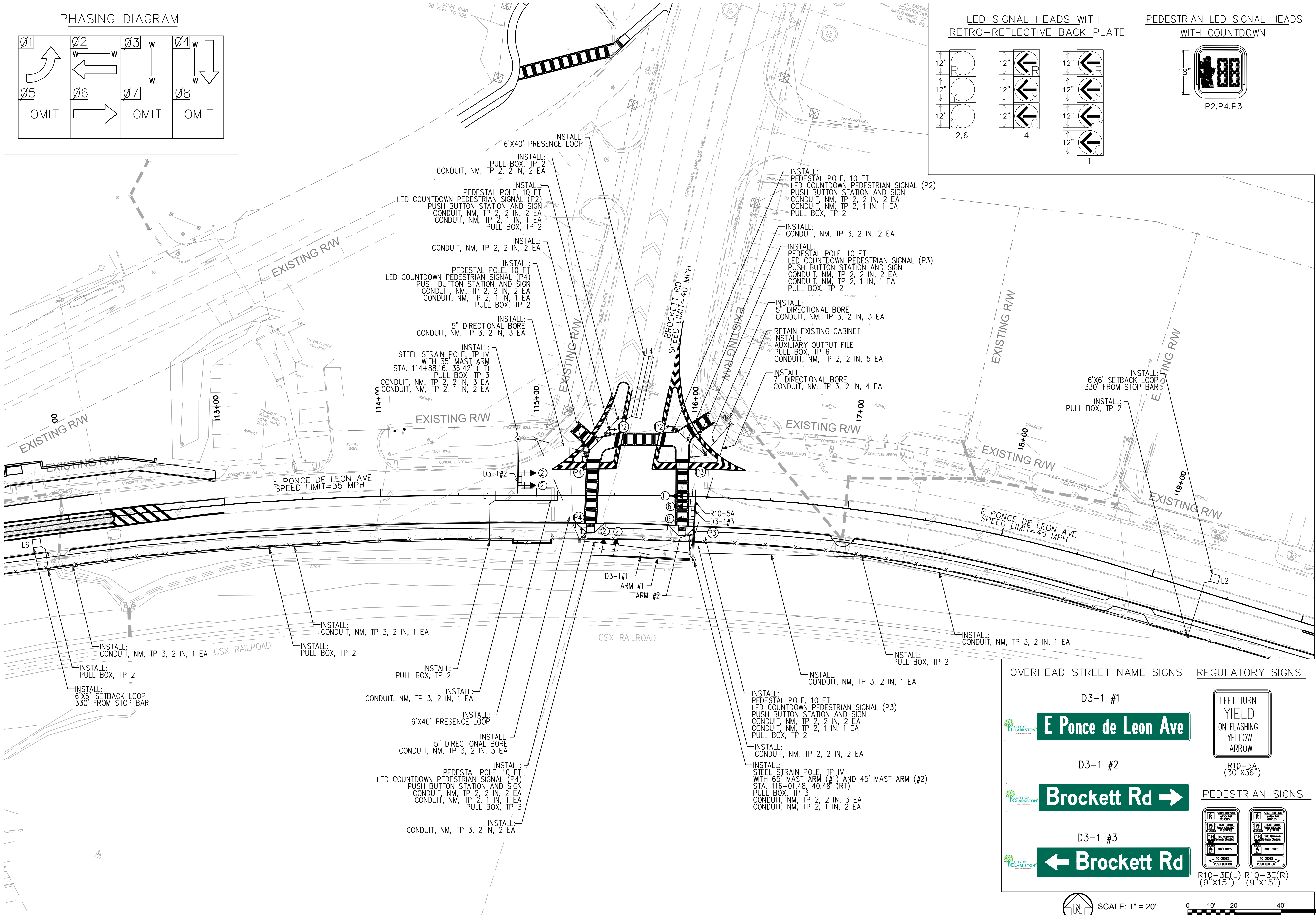
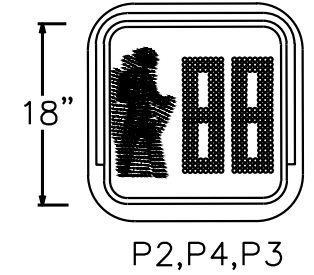
PHASING DIAGRAM



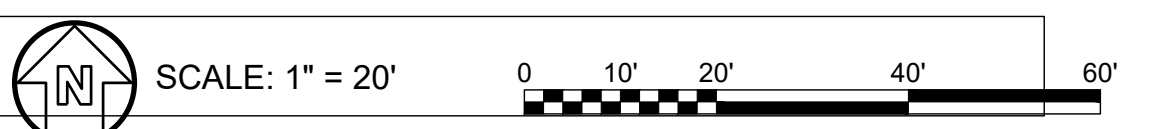
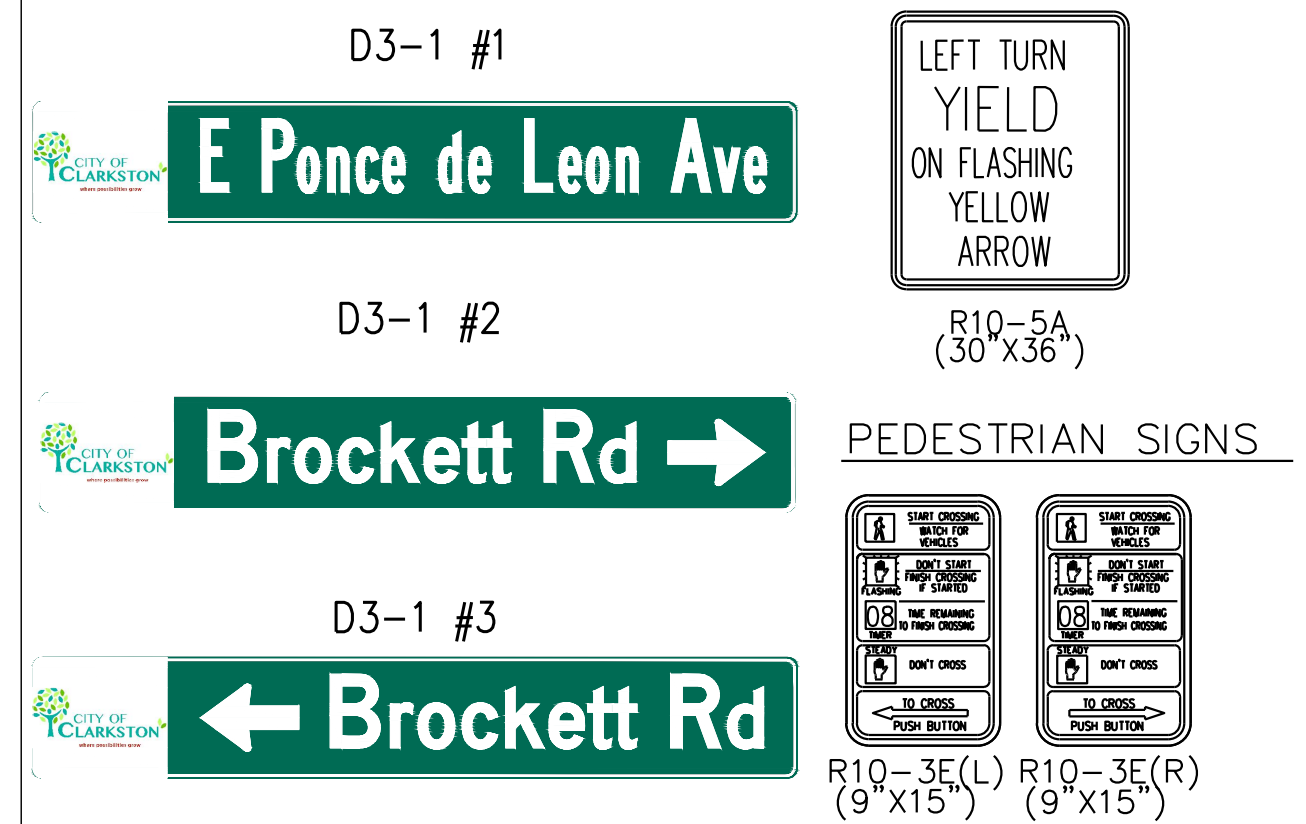
LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACK PLATE



PEDESTRIAN LED SIGNAL HEADS WITH COUNTDOWN



OVERHEAD STREET NAME SIGNS REGULATORY SIGNS



TRAFFIC SIGNAL INSTALLATION NO. 1
E PONCE DE LEON AVENUE AT BROCKETT ROAD

CITY OF CLARKSTON SPLIST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION		POND <small>3000 Parkway Lane Clarkston, GA 30006 Phone 678.387.7740 Fax 678.387.7744</small>	
DESIGNED BY: RBJ	DATE: NOV/27/2018	SUBMITTED BY: SPT	FILE NAME: 27_Splist.dwg
DWN BY:	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:
			27
			02/25/2019
			1:1
			22" x 34"
			1:1
			02/25/2019
			MARK
			DESCRIPTION
			DATE
			APPR.
			SEAL

PONCE/CHURCH INTERSECTION
SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-008

100% DRAWINGS

LIST OF MATERIALS

LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION

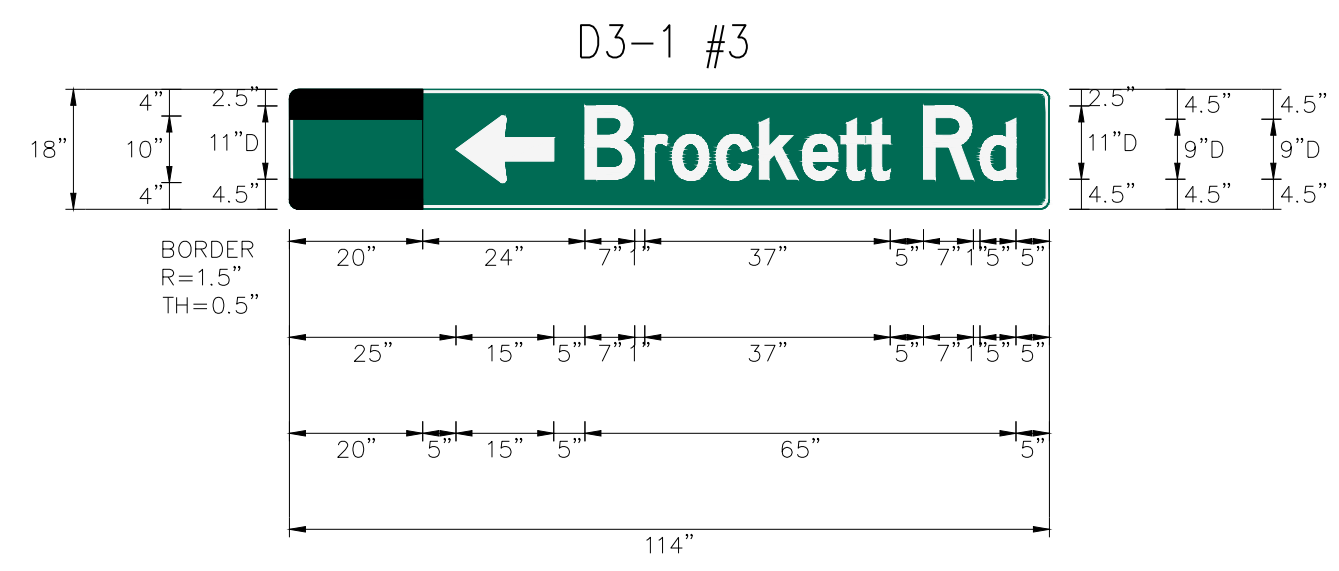
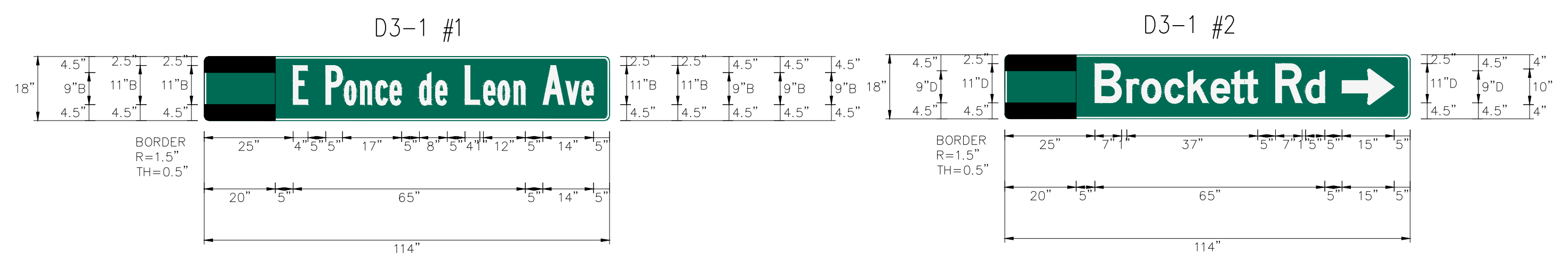
LIST OF MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
M. AUXILIARY OUTPUT FILE	EA	1
LOOP/PEL LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	3
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	2
SIGNAL CABLE (14 AWG); 10 CONDUCTOR, PER 1000 FT.	REEL	1
LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	1
3-SECTION, 12" SIGNAL HEAD LED -, YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	6
4-SECTION, 12" SIGNAL HEAD LED -, YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	1
1-SECTION, 16"X18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP (9" HIGH NUMBER & 12" SYMBOLS) YELLOW HOUSING	EA	6
PEDESTRIAN PUSH BUTTON STATION, W/ BUTTON AND SIGN: 9"X15", R10-3EL, COUNTDOWN	EA	3
PEDESTRIAN PUSH BUTTON STATION, W/ BUTTON AND SIGN: 9"X15", R10-3ER, COUNTDOWN	EA	3
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	6
BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	1
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	6
PEDESTAL POLE & SQUARE BASE	EA	6
PULL BOX, PB-2	EA	11
PULL BOX, PB-3	EA	3
PULL BOX, PB-6	EA	1
LOOP SAW CUT	LF	545
CONDUIT, 1"	LF	95
CONDUIT, 2"	LF	170
R10-5A, LEFT TURN YIELD ON FLASHING YELLOW SIGN	EA	1
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

615-1100	DIRECTIONAL BORE PIPE - 5 IN	LF	140
615-1101	DIRECTIONAL BORE PIPE - 7 IN	LF	95
639-3004	STEEL STRAIN POLE, TP IV (W/35 FT MAST ARM)	EA	1
639-3004	STEEL STRAIN POLE, TP IV (W/65 FT MAST ARM & W/45 FT MAST ARM)	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LUMP SUM	1
647-3000	INTERNALLY ILLUMINATED STREET SIGN	EA	3
647-3100	INTERNALLY ILLUMINATED STREET SIGN CONTROL ASSEMBLY	EA	3
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	1730

D3-1 OVERHEAD STREET NAME SIGN DETAILS

REFER TO SHEET 40-017 FOR DETAILS ON INTERNALLY ILLUMINATED STREET NAME SIGN MOUNTING.



332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC	
CHANNEL 1	CARD	2-CH	2-CH					2-CH						DC ISO	DC ISO	DC ISO
	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81	
	FUNCTION	L1	L2				L4						Ø2 PED	Ø4 PED	FLASH SENSE	
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C	

CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION												Ø3 PED		STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
CHANNEL 1	CARD		2-CH												
	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION		L6												
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12

CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION														
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL INSTALLATION NO. 1

SEAL

A	50% PLAN SUBMITTAL	9/13/2018	12/6/2018	DATE	APPR.
B	75% PLAN SUBMITTAL				
				MARK	DESCRIPTION

DESIGNED BY: RBJ	DATE: NOV/27/2018	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/25/2019
DWN BY: SPT	CRD BY:	SUBMITTED BY:	FILE NAME: 27 Series.dwg	SIZE: 22" x 34"	PLOT SCALE: 1:1

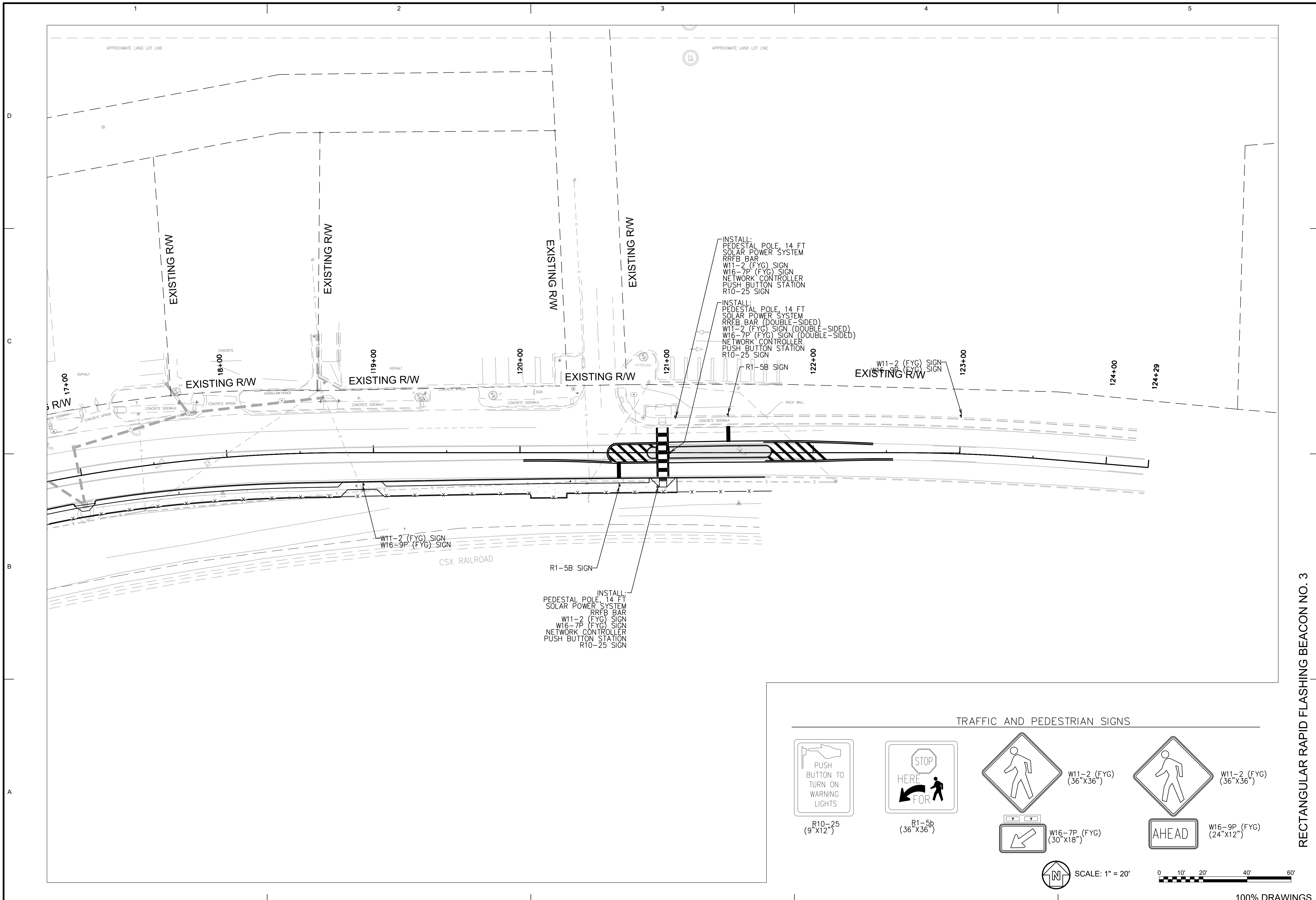
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION	3000 Parkway Lane Clarkston, GA 30006 Phone 678.398.7740 Fax 678.398.7744
----------------------------------------------------------------------------------------	------------------------------------------------------------------------------------

PONCE/CHURCH INTERSECTION	SIGNAL PLANS
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SHEET IDENTIFICATION NUMBER	27-009
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FILE PATH: N:\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\REF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\REF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY



TRAFFIC AND PEDESTRIAN SIGNS

R10-25
(9'x12')

R1-5b
(36'x36')

W16-7P (FYG)
(30'x18')

W11-2 (FYG)
(36'x36')

W16-9P (FYG)
(24'x12')

SCALE: 1" = 20'

100% DRAWINGS

RECTANGULAR RAPID FLASHING BEACON NO. 3

SEAL																			
DATE	DESCRIPTION	MARK	DATE	APPR.															
9/13/2018	50% PLAN SUBMITTAL	A	12/6/2018																
12/6/2018	75% PLAN SUBMITTAL	B																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DESIGNED BY: RBJ</td> <td style="width: 20%;">DATE: NOV/27, 2018</td> <td style="width: 20%;">SOLICITATION NO.:</td> <td style="width: 20%;">CONTRACT NO.:</td> <td style="width: 20%;">FILE NUMBER:</td> </tr> <tr> <td>DWN BY: SPT</td> <td>CKD BY:</td> <td>SUBMITTED BY:</td> <td>FILE NAME:</td> <td>27 Series.dwg</td> </tr> <tr> <td>SIZE: 22" x 34"</td> <td>PLOT SCALE: 1" = 20'</td> <td>PLOT DATE: 02/25/2019</td> <td colspan="2"></td> </tr> </table>					DESIGNED BY: RBJ	DATE: NOV/27, 2018	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	DWN BY: SPT	CKD BY:	SUBMITTED BY:	FILE NAME:	27 Series.dwg	SIZE: 22" x 34"	PLOT SCALE: 1" = 20'	PLOT DATE: 02/25/2019		
DESIGNED BY: RBJ	DATE: NOV/27, 2018	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:															
DWN BY: SPT	CKD BY:	SUBMITTED BY:	FILE NAME:	27 Series.dwg															
SIZE: 22" x 34"	PLOT SCALE: 1" = 20'	PLOT DATE: 02/25/2019																	
<p>CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION</p> <p>POND 3000 Parkway Lane, Suite 500 30056, SUITE 500 Phone 678.338.7740 Fax 678.338.7744 POND PROJECT No. 1180426</p>																			
<p>PONCE/CHURCH INTERSECTION</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">SIGNAL PLANS</p>																			
<p>SHEET IDENTIFICATION NUMBER</p> <p style="font-size: 24pt; font-weight: bold;">27-010</p>																			

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\REF_2017_FILES\27 SERIES.DWG PLOTTED BY: THOMPSON, SYDNEY

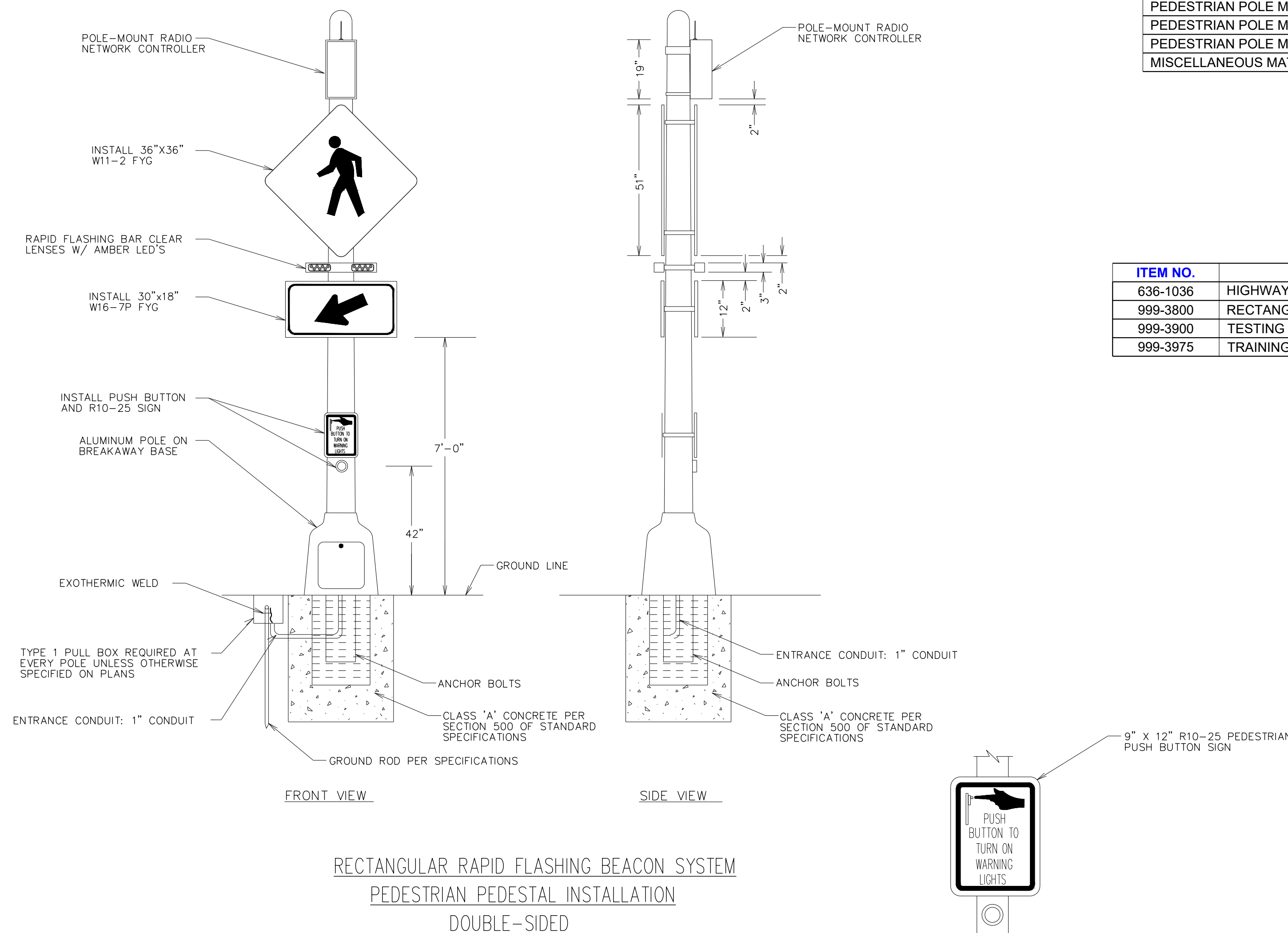
LIST OF MATERIALS – RECTANGULAR RAPID FLASHING BEACON NO. 3

LIST OF MATERIALS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE (BLACK POWDER COAT FINISH)	EA	3
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1. 9"X12" R10-25	EA	4
PEDESTRIAN PUSH BUTTON STATION ADAPTERS (ONLY)	EA	4
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	3
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	3
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	44
999-3800	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 3	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1



NOTE:
 1. LOCATIONS REQUIRING SINGLE SIDED INSTALLATIONS SHALL ONLY INCLUDE ASSOCIATED EQUIPMENT NEEDED FOR SUCH
 2. SEE GDOT DETAIL TS-03A (SHEET 40-013) FOR MORE INFORMATION ON THE POLE FOUNDATION.

SUMMARY OF QUANTITIES
 RECTANGULAR RAPID FLASHING BEACON NO. 3

PONCE/CHURCH INTERSECTION
 SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
 27-011

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION
POND
 3000 Parkway Lane
 Clarkston, GA 30006
 Phone: 678.338.7740
 Fax: 678.338.7744
 POND PROJECT No. 1180426

DATE	DESCRIPTION	MARK
9/13/2018	50% PLAN SUBMITTAL	
12/6/2018	75% PLAN SUBMITTAL	

SEAL

FILE PATH: \S\WITCHBLADE\PROJECTS\FY19\119015404_CAD_BIM\04_02_CAD\CHURCH & PONCE\09-001.DWG PLOTTED BY: THOMPSON, SYDNEY

GENERAL PLANTING NOTES:

- 1. THESE NOTES SHALL SUPERCEDE OR ADD TO THE GDOT SPECIFICATION SECTION 702 FOR LANDSCAPING.
2. IN THE DRAWINGS AND NOTES, USE OF THE TERMS OWNER, OWNER'S REPRESENTATIVE, ENGINEER, LANDSCAPE ARCHITECT, OR DESIGN PROFESSIONAL SHALL BE INTERPRETED TO BE COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). REFER TO CONTRACT DOCUMENTS.
3. PLANTS SHALL ALL PLANTS SHALL BE HEALTHY, VIGOROUS, FREE OF PESTS AND DISEASE.
4. ALL PLANTS SHALL BE CONTAINER-GROWN, OR BALLED AND BURLAPPED AS SPECIFIED.
5. CONTRACTOR'S PRICE FOR UNIT ITEMS SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THE WORK, I.E. MULCH, PLANTING, SOIL MIX, STAKING MATERIAL, WATERING, MAINTENANCE DURING CONSTRUCTION, ETC.
6. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MATERIAL QUANTITIES SHOWN ON THESE DRAWINGS BEFORE PRICING THE WORK AND WILL BE RESPONSIBLE FOR INSTALLATION OF PLANT MATERIAL ACCORDING TO PLAN. THE PLANT SCHEDULE IS PROVIDED FOR CONTRACTOR'S CONVENIENCE ONLY.
7. PROVIDE PLANT MATERIALS TRUE TO SPECIES AND VARIETY COMPLYING WITH RECOMMENDATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
8. PLANTING PLANS INDICATE DIAGRAMMATIC LOCATIONS ONLY. SITE ADJUSTMENTS OF PLANTING DESIGN AND RELOCATION OF PLANT MATERIAL INSTALLED PRIOR TO THE APPROVAL OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) SHALL BE DONE WITHOUT PENALTY OR ADDITIONAL COST TO OWNER. STAKE PLANT LOCATIONS AT SITE AND OBTAIN APPROVAL PRIOR TO PLANT INSTALLATION.
9. LOCATE AND VERIFY ALL UTILITY LOCATIONS AND EXISTING STRUCTURES IN AND AROUND THE SITE PRIOR TO WORK. BE FAMILIAR WITH UNDERGROUND UTILITIES BEFORE DIGGING. MAINTAIN EXISTING UTILITIES AND STRUCTURES AND PROTECT AGAINST DAMAGE DURING THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES, STRUCTURES, PAVING AND/OR WORK OF OTHER TRADES RESULTING FROM LANDSCAPE CONSTRUCTION.
10. THE CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES 72 HRS MINIMUM PRIOR TO DIGGING FOR FIELD VERIFICATION OF ALL UNDERGROUND UTILITIES, AND OTHER ELEMENTS, AND COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, INC. PRIOR TO INITIATING OPERATIONS. THE CONTRACTOR SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF WORK.
11. CONTRACTOR SHALL PROTECT ALL EXISTING PLANT MATERIALS INDICATED ON PLANS TO REMAIN. ALL PLANT MATERIAL INDICATED TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITH THE SAME SIZE, QUALITY, AND TYPE OF PLANT MATERIAL OR AS REQUIRED BY THE LOCAL REVIEWING AUTHORITY, WHICHEVER HAS A GREATER RECOMPENSE VALUE.
12. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO DATE OF SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL THE PLANT LIST SPECIFICATIONS.
13. COLLABORATIVE INFRASTRUCTURE SERVICES, INC. SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF MATERIALS AND PLACEMENT.
14. PLANTS SHALL BE SPECIMEN QUALITY, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF DISEASES, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS AND/OR DISFIGUREMENT.
15. HEIGHT AND SPREAD DIMENSIONS SPECIFIED REFER TO THE MAIN BODY OF THE PLANT AND NOT FROM BRANCH TIP TO TIP. IF A RANGE OF SIZE IS GIVEN, NO PLANT SHALL BE LESS THAN THE MINIMUM SIZE AND NOT LESS THAN 50 PERCENT OF THE PLANTS SHALL BE AS LARGE AS THE MAXIMUM SIZE SPECIFIED.
16. HARDWOOD TREES SHALL HAVE STRAIGHT TRUNKS WITH CENTRAL LEADERS, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED. DO NOT HANDLE PLANTS BY THE TRUNK.
17. PLACE PLANTS UPRIGHT AND TURNED SO THAT THE MOST ATTRACTIVE SIDE IS VIEWED.
18. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
19. MULCH: PROVIDE 3" THICKNESS MULCH AT ALL PLANTS AND PLANTING BEDS. UTILIZE SHREDDED, AGED HARDWOOD MULCH.

- 20. LEAVES: MUST BE OF MEDIUM FOLIAGE, ALL GOOD LEAVES, MAXIMUM OF 10% CHLOROSIS ALLOWED, WITH NO EXTREME SUCCULENCE.
21. IF DRAINAGE IS NOT SUFFICIENT NOTIFY PROJECT OWNER'S REPRESENTATIVE IN WRITING BEFORE INSTALLING THE PLANTS. OTHERWISE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR THE GUARANTEE AND LIVABILITY OF THE PLANT.
22. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES
23. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO COLLABORATIVE INFRASTRUCTURE SERVICES, INC. PRIOR TO STARTING CONSTRUCTION. FOLLOW COLLABORATIVE INFRASTRUCTURE SERVICES, INC.'S INSTRUCTIONS ON RESOLVING ANY DISCREPANCIES.
24. UNLESS OTHERWISE SPECIFIED DUE TO SOIL CONDITIONS, SET ROOT FLARE OF ROOTBALL LEVEL WITH SURROUNDING GRADE. ROOT SYSTEM SHALL BE AS SPECIFIED IN PLANT SCHEDULE:
A. BALLED AND BURLAPPED: ROOTS MUST BE STURDILY ESTABLISHED IN BALL THAT HAS BEEN TIGHTLY WRAPPED AND SECURELY TIED WITH TWINE OR WIRE, OR PINNED. WHERE WIRE BASKETS ARE USED ON TREES OR SHRUBS, CUT BURLAP AND WIRE BACK TO 1/4 THE BASE OF ROOTBALL AND REMOVE FROM PLANTING HOLE. REMOVE ALL STRAPS, WIRE STRAP HANGERS, ETC. FROM ROOTBALL. DO NOT ALLOW REMAINING WIRE TO PROTRUDE INTO MULCH OR TOPSOIL AREAS.
B. CONTAINER GROWN: CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING COLLABORATIVE INFRASTRUCTURE SERVICES, INC. OF ROOT BOUND SPECIMENS. REMOVE CONTAINER AND SCARIFY OR SHAVE ROOTBALL AS NEEDED TO REMEDIATE ROOT BOUND CONDITION. PULL SURFACE ROOTS AT TOP OF ROOTBALL OUT IN A DIRECTIONAL PATTERN TO DISCOURAGE CIRCLING ROOTS.
25. STAKING IS ONLY TO BE INSTALLED IN SPECIAL CIRCUMSTANCES AT THE DIRECTION OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. ANY STAKING MATERIAL MUST BE REMOVED AT THE END OF THE WARRANTY PERIOD.

PLANTING SOIL MIX NOTES:

- 1. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROCURING A LANDSCAPE SOIL REPORT FROM LOCAL EXTENSION SERVICE OR OTHER VENDOR.
2. THE LANDSCAPE CONTRACTOR SHALL FURNISH TOPSOIL; TOPSOIL MUST BE APPROVED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). REFER TO GDOT LANDSCAPE SPECS FOR TOPSOIL REQUIREMENTS.
3. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANTING SOIL MIX.
4. THE PLANTING SOIL MIX MUST APPROVED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). PRIOR TO ANY BACKFILLING.
5. THE TYPICAL PLANTING SOIL MIX FOR ON-GRADE PLANTINGS (TREES, SHRUBS & GROUND COVERS) SHALL CONSIST OF THE FOLLOWING UNLESS OTHERWISE INDICATED ON THE DRAWINGS:
A. 60% TOPSOIL (AS SPECIFIED), 40% MR. NATURAL CLM (COMPLETE LANDSCAPE MIX) BY ITSAULNATURAL, LLC, OR AS NOTED BELOW AS AN EQUIVALENT 40% OF PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):
i. 2 PARTS HUMUS AND/OR PEAT 1 PART STERILIZED COMPOSTED COW MANURE
ii. 1 PART SHREDDED PINE BARK (BARK PIECES BETWEEN 1/2 INCH AND 2 INCHES IN LENGTH)
B. COMMERCIAL FERTILIZER AS RECOMMENDED IN SOIL REPORT (CONTRACTOR TO PROVIDE THROUGH LOCAL EXTENSION SERVICE).
C. LIME AS RECOMMENDED IN SOIL REPORT (IF ANY).
6. PLANTING SOIL MIX FOR PERENNIAL BEDS CONSIST OF TOPSOIL AND THE FOLLOWING SOIL AMENDMENTS BY VOLUME:
A. 50% TOPSOIL (AS SPECIFIED), 50% MR. NATURAL CLM (COMPLETE LANDSCAPE MIX) BY ITSAULNATURAL, LLC, OR AS NOTED BELOW AS AN EQUIVALENT:
i. 25 % HUMUS
ii. 15% CYPRESS MULCH (FINGERNAIL SIZED CHIPS - 1/4 INCH MAX.)
iii. 5% STERILIZED COMPOSTED COW MANURE

- iv. 5 % SAND (ANGULAR BUILDERS SAND) LIME AT A RATE OF 5 LBS. PER 50 SQ. FEET (ADJUST FOR ALKALINE SOILS)

MULCHING NOTES:

- 1. THE LANDSCAPE CONTRACTOR SHALL FURNISH MULCH. MULCH BE APPROVED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619)
2. MULCH TOP OF ROOT BALLS AND PLANTING BEDS, COVERING THE ENTIRE PLANTING BED AREA. PROVIDE THE FOLLOWING THICKNESS OF MULCH. TOP OF MULCH SHALL BE SMOOTH AND EVEN IN ALL DIRECTIONS.
3. TREE SHRUB AND GROUND COVER PLANTING AREAS: 3-INCH DEPTH CONTINUOUS FROM PLANT TO PLANT. DEPTH IS DEPTH AFTER SETTLING.
4. PERENNIAL PLANTING AREAS: 3-INCH DEPTH CONTINUOUS FROM PLANT TO PLANT. DEPTH IS DEPTH AFTER SETTLING.
5. IN NO CASE SHALL MULCH COME IN CONTACT WITH ANY PART OF TRUNK OR ROOT FLARE.
6. APPLY MULCH AFTER ALL PLANTS HAVE BEEN INSTALLED AND APPROVED.
7. CONTRACTOR SHALL NOT OVER-MULCH PLANTING BEDS WITH EXCESS MULCH. EXCESS MULCH SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
8. LIFT ALL LEAVES, LOW HANGING STEMS AND OTHER GREEN PORTIONS OF PLANTS OUT OF THE MULCH IF COVERED.

WARRANTY NOTES:

- 1. THE CONTRACTOR SHALL COMPLETELY WARRANTY ALL PLANT MATERIAL AS INDICATED BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. MAINTENANCE WORK SHALL BE PERFORMED UNTIL DATE OF FINAL ACCEPTANCE BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE WARRANTY PERIOD WITHIN TWO GROWING PERIODS (AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC.).
2. INSTALLER AGREES TO REPAIR OR REPLACE PLANTINGS AND ACCESSORIES THAT FAIL IN MATERIALS, WORKMANSHIP, OR GROWTH WITHIN ONE-YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
3. PLANTS SHALL BE HEALTHY, FREE OF PESTS AND DISEASE, AND IN FLOURISHING CONDITION AT THE END OF THE WARRANTY PERIOD. PLANTS SHALL BE FREE OF DEAD AND DYING BRANCHES AND BRANCH TIPS, AND SHALL BEAR FOLIAGE OF NORMAL DENSITY, SIZE, AND COLOR FOR THE SPECIES.
4. PLANTS THAT ARE DEAD, DISEASED, INSECT INFESTED, OR NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. DURING OR AT THE END OF THE WARRANTY PERIOD, SHALL BE DEEMED DEFECTIVE. PLANTS THAT HAVE HAD MORE THAN 25% OF THEIR BRANCHES DIE OR REMOVED SHALL BE REPLACED. PLANTS THAT HAVE HAD A MAJOR BRANCH OR SIDE OF THE PLANT REMOVED SUCH THAT CURRENT OR FUTURE AESTHETIC APPEAL OR STRUCTURAL INTEGRITY OF THE PLANT, AS DETERMINED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC., IS DIMINISHED, SHALL BE CONSIDERED DEFECTIVE. PLANT MATERIAL DETERMINED TO BE DEFECTIVE SHALL BE REPLACED WITHOUT COST TO THE OWNER.
5. REMOVE DEFECTIVE OR DEAD PLANTS IMMEDIATELY. REPLACE AS SOON AS WEATHER CONDITIONS PERMIT AND WITHIN ONE OF THE SPECIFIED PLANTING PERIODS.
6. REPLACEMENTS SHALL CLOSELY MATCH ADJACENT SPECIMENS OF THE SAME SPECIES. REPLACEMENTS SHALL BE SUBJECT TO ALL REQUIREMENTS STATED IN THIS SPECIFICATION. MAKE ALL NECESSARY REPAIRS DUE TO PLANT REPLACEMENTS. SUCH REPAIRS SHALL BE DONE AT NO EXTRA COST TO THE OWNER.
7. THE WARRANTY OF ALL REPLACEMENT PLANTS SHALL EXTEND FOR AN ADDITIONAL TWO-YEAR PERIOD FROM THE DATE OF THEIR ACCEPTANCE AFTER REPLACEMENT. IN THE EVENT THAT A REPLACEMENT PLANT IS NOT ACCEPTABLE DURING OR AT THE END OF THE EXTENDED WARRANTY PERIOD, THE OWNER MAY ELECT ONE MORE REPLACEMENT ITEM OR CREDIT FOR EACH ITEM. THESE REPLACEMENT ITEMS ARE NOT PROTECTED UNDER A WARRANTY PERIOD.
8. AT THE END OF THE WARRANTY PERIOD, AND NO LESS THAN FIVE DAYS PRIOR TO FINAL INSPECTION, TREE TIES AND GUYING SHALL BE REMOVED FROM THE SITE. ALL TREES THAT HAVE LEANED SHALL BE STRAIGHTENED.

PLANT SCHEDULE BASE BID

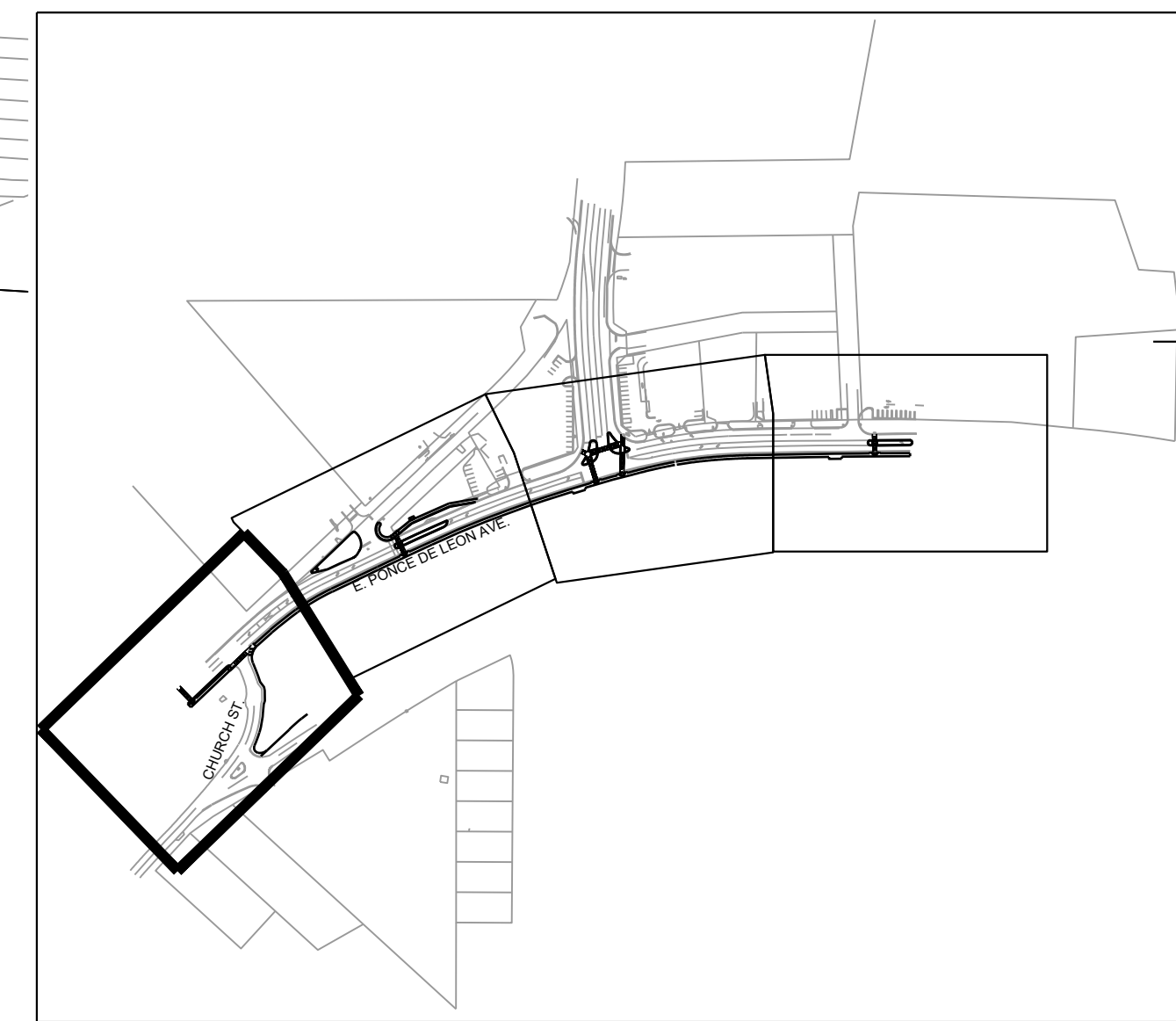
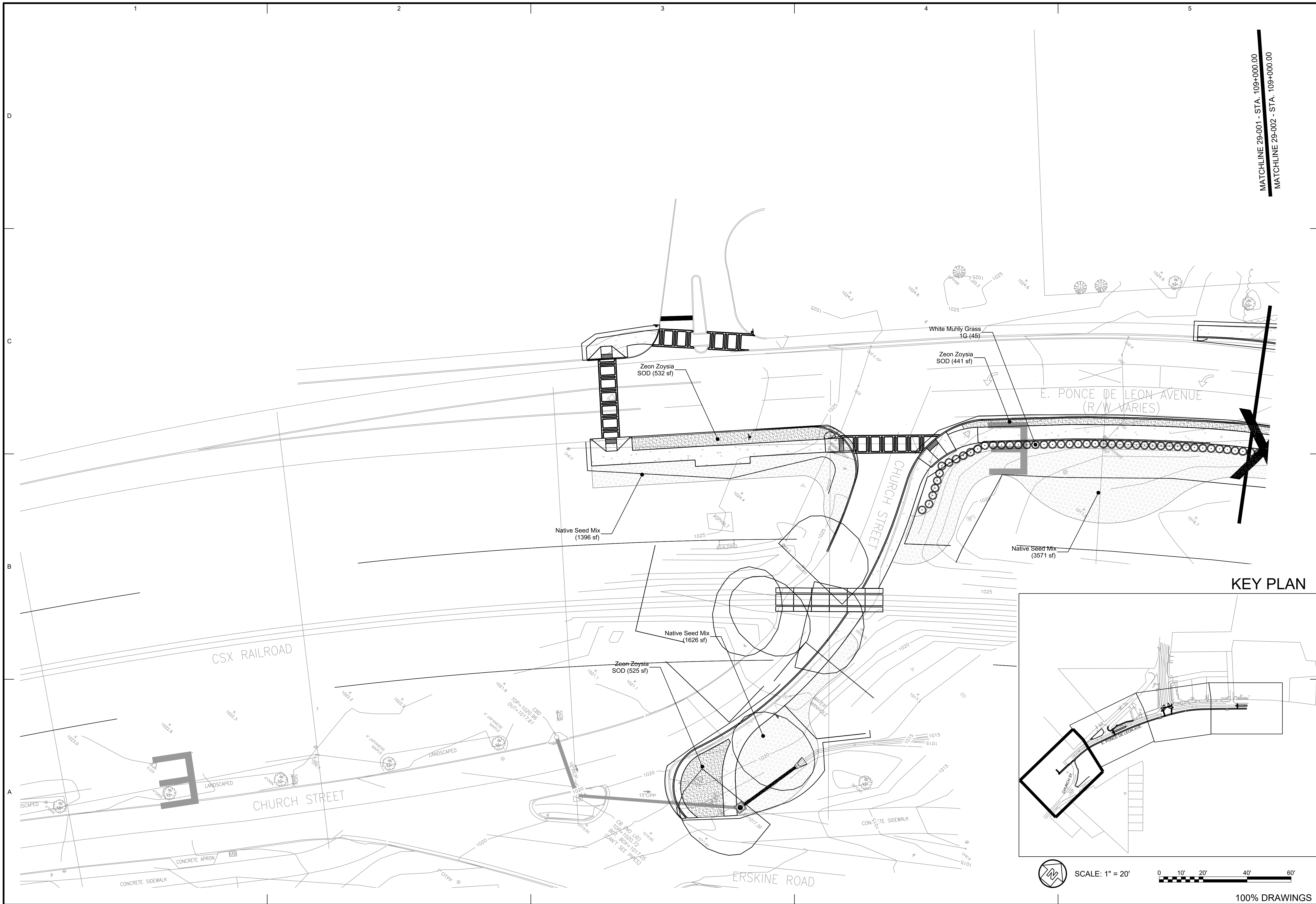
Table with columns: TREES, CODE, QTY, COMMON NAME / BOTANICAL NAME, CONT. Includes items like Crape Myrtle, River Oats, Summersweet Clethra, Virginia Sweetspire, White Muhly Grass, Gold Dew Tufted Hair Grass, Beyond Blue Fescue, Zeon Zoysia, and Native Seed Mix.

PLANT SCHEDULE ADD ALTERNATE

Table with columns: SHRUBS, CODE, QTY, COMMON NAME / BOTANICAL NAME, CONT, SPACING. Includes items like Bottlebrush Buckeye, American Beautyberry, River Oats, Summersweet Clethra, Ocala Anise, Virginia Sweetspire, White Muhly Grass, Zeon Zoysia, and Native Seed Mix.

Vertical sidebar containing project information: CITY OF CLARKSTON, SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK, POND PROJECT No. 1190154, LANDSCAPE QUANTITIES, SHEET IDENTIFICATION NUMBER 29-000, 100% DRAWINGS, and a seal area.

FILE PATH: N:\SWITCHBLADE\PROJECTS\FY19\119015404.CAD_BIM\04.02.CAD\CHURCH & PONCE\29-001.DWG PLOTTED BY: THOMPSON, SYDNEY



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 100% DRAWINGS

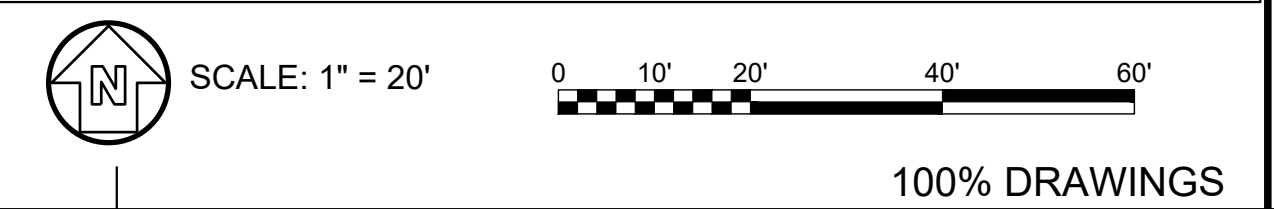
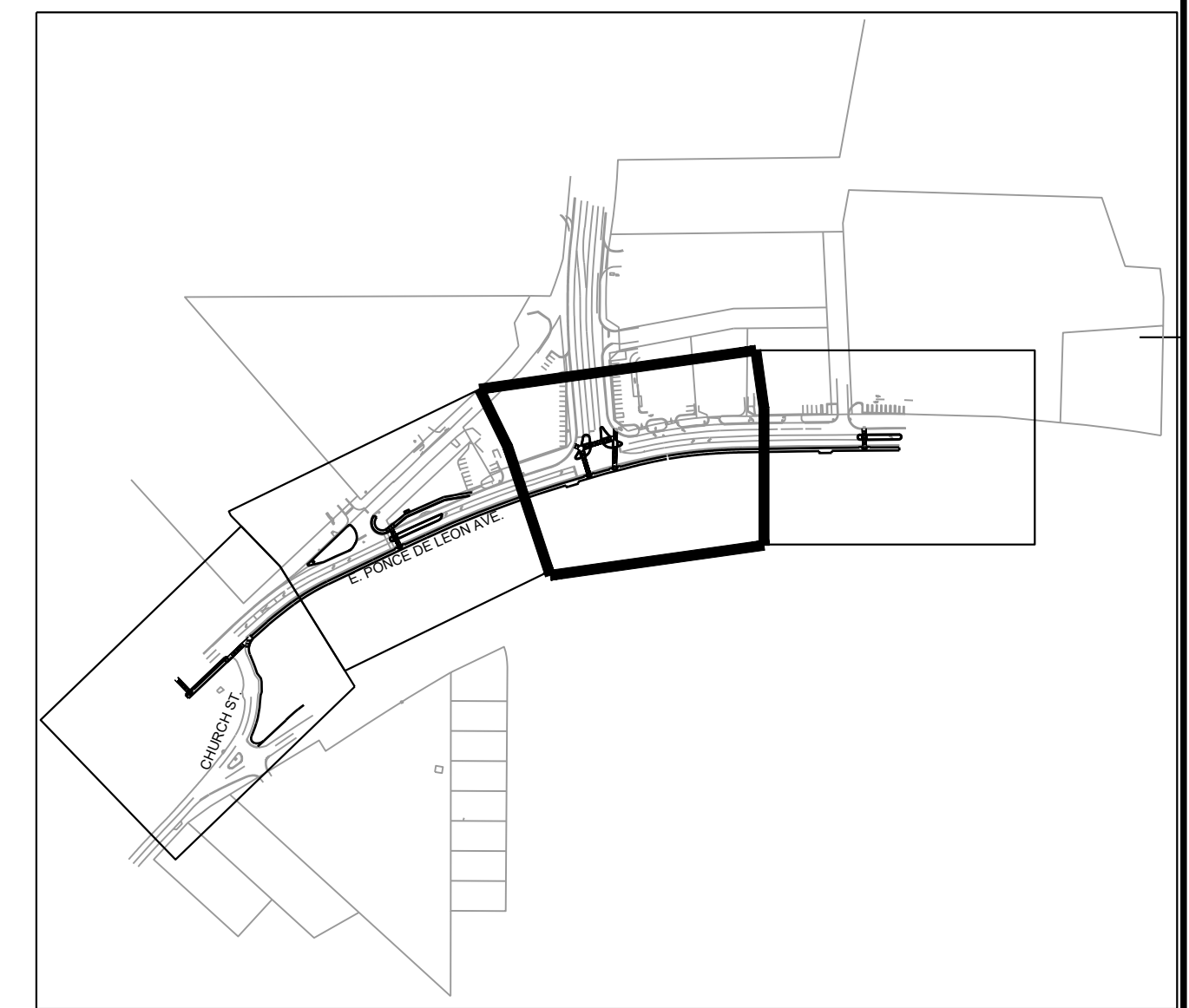
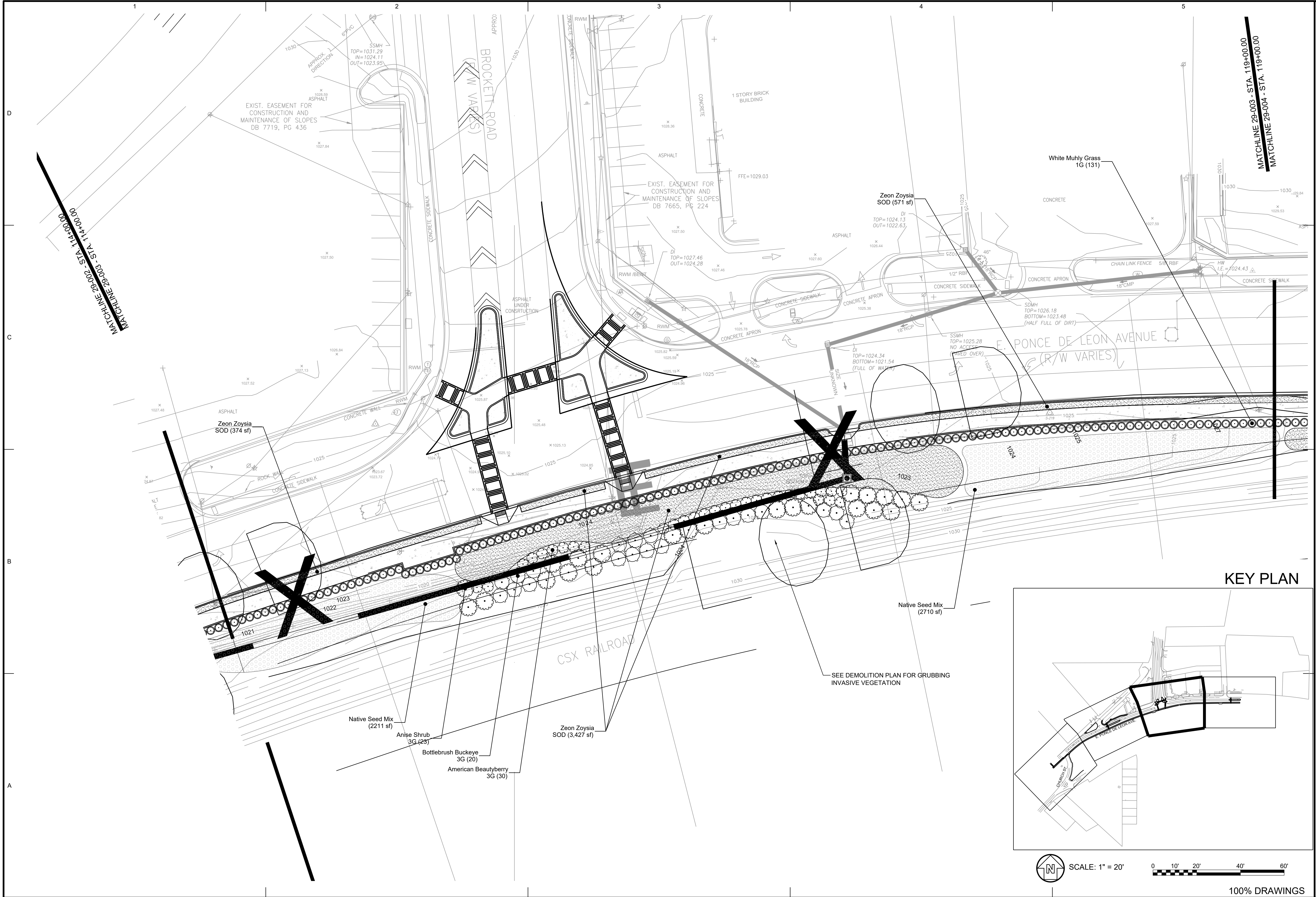
MATCHLINE 29-001 - STA. 109+000.00
 MATCHLINE 29-002 - STA. 109+000.00

DESIGNED BY: RBJ		DATE: 2/22/2019
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SUBMITTED BY:		CONTRACT NO.:
FILE NAME: 29-001.dwg	FILE NUMBER:	PLOT DATE: 02/25/2019
SIZE: 22" x 34"	PLOT SCALE: 1" = 20'	MARK

100% SUBMITTAL	DATE	DESCRIPTION
A	1/31/2019	MARK

CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK		POND 3000 Parkway Lane GA 30052 SUITE 500 Phone 678.338.7740 Fax 678.338.7744 POND PROJECT No. 1190154
POND/CHURCH SIDEWALKS LANDSCAPE PLAN		

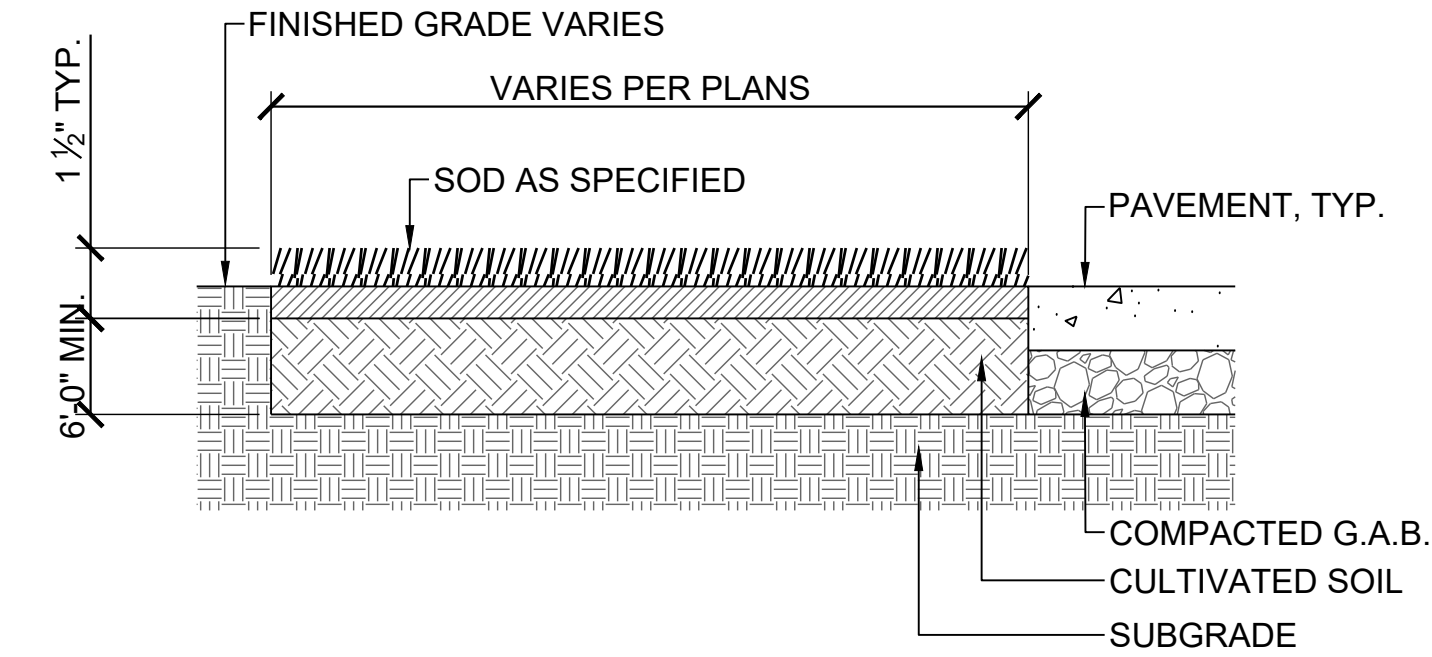
SHEET IDENTIFICATION NUMBER	29-001
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100% SUBMITTAL		100% SUBMITTAL	100% SUBMITTAL
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DESIGNED BY:	RBJ	DESIGNED BY:	RBJ
DWN BY:	SPT	DWN BY:	SPT
CHK BY:	TN	CHK BY:	TN
SUBMITTED BY:		SUBMITTED BY:	
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FILE NUMBER:	02/25/2019	FILE NUMBER:	02/25/2019
DATE:		DATE:	
MARK		MARK	
DESCRIPTION		DESCRIPTION	
APPR.		APPR.	
SEAL		SEAL	
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK		 3000 Parkway Lane Suite 500 Phone 678.338.7740 Fax 678.338.7744	
PONCE/CHURCH SIDEWALKS		LANDSCAPE PLAN	
SHEET IDENTIFICATION NUMBER		29-003	

GENERAL TREE PLANTING NOTES:

- 1) WHEN THE TREE IS MOVED, THE ROOTBALL SHOULD ALWAYS BE SUPPORTED. TREES SHOULD NEVER BE HANDLED BY THE TRUNK.
- 2) SET TOP OF ROOT BALL A MINIMUM OF 2" ABOVE ADJACENT FINISH GRADE AND MOUND BACKFILL FLUSH WITH TOP OF ROOT BALL.
- 3) CUT AND BEND BACK TOP AND SIDES OF WIRE BASKET TO A MINIMUM OF 12" BELOW THE TOP OF THE ROOT BALL BEFORE FINAL BACKFILLING OF ROOT BALL.
- 4) CUT AND REMOVE BURLAP AND TWINE FROM TOP HALF OF BALL AFTER THE BALL HAS BEEN BACKFILLED.
- 5) REMOVE EXCESS SUBSTRATE/SOIL AND SURFACE ROOTS TO EXPOSE ROOT COLLAR. REMOVE CIRCLING STRUCTURAL ROOTS INTERFERING WITH ROOT COLLAR.
- 6) SCARIFY ROOT BALL ON ALL SIDES TO ENCOURAGE FEEDER ROOT GROWTH.
- 7) WATERING BAGS ARE RECOMMENDED FOR NEWLY PLANTED TREES IF SITE IS NOT IRRIGATED.
- 8) CONFIRM GOOD CENTRAL LEADER; CORRECT CROWN BY PRUNING IF DETERMINED NECESSARY. REMOVE ANY DEAD BRANCHES AND TRIM BROKEN OR CROSSED BRANCHES. NEVER LEAVE V CROTCHES OR DOUBLE LEADERS.

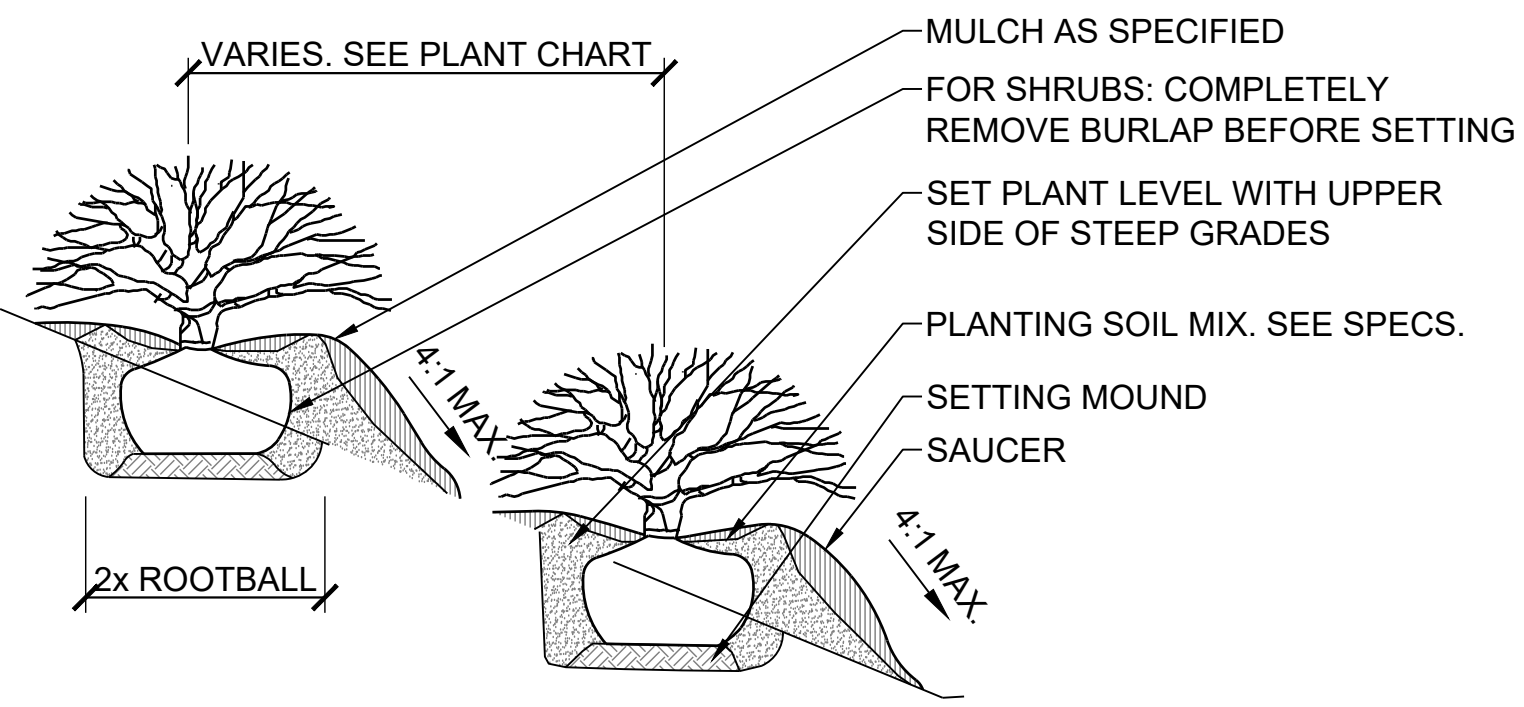


SODDING PROCEDURE:

1. THE GENERAL CONTRACTOR WILL PROVIDE GRADES TO +/- TWO TENTHS (0.20) OF A FOOT OF PROPOSED GRADES.
2. INSTALL SOD SO THAT TOP OF SOIL AND ROOT LAYER IS LEVEL WITH TOP OF ANY ADJACENT PAVEMENT.
3. REFER TO DRAWINGS AND SPECIFICATIONS FOR ANY SPECIAL SUBSOILING REQUIREMENTS. AT A MINIMUM, BREAK THROUGH AND REMOVE ALL SUBGRADE SURFACE 'HARDPAN' AND DEBRIS TO ALLOW PERCOLATION AND POSITIVE DRAINAGE.
4. ADD ADDITIVES, SUCH AS TOPSOIL, SAND OR COMPOST (PER SOIL TEST ANALYSIS) AND ROTOTILL INTO SUBGRADE. CULTIVATE ENTIRE AREA TO A MINIMUM DEPTH OF 6". HANDRAKE SMOOTH.
5. WATER AREA TO BE SODDED PRIOR TO LAYING SOD.
6. LAY & ROLL SOD. WATER THOROUGHLY.

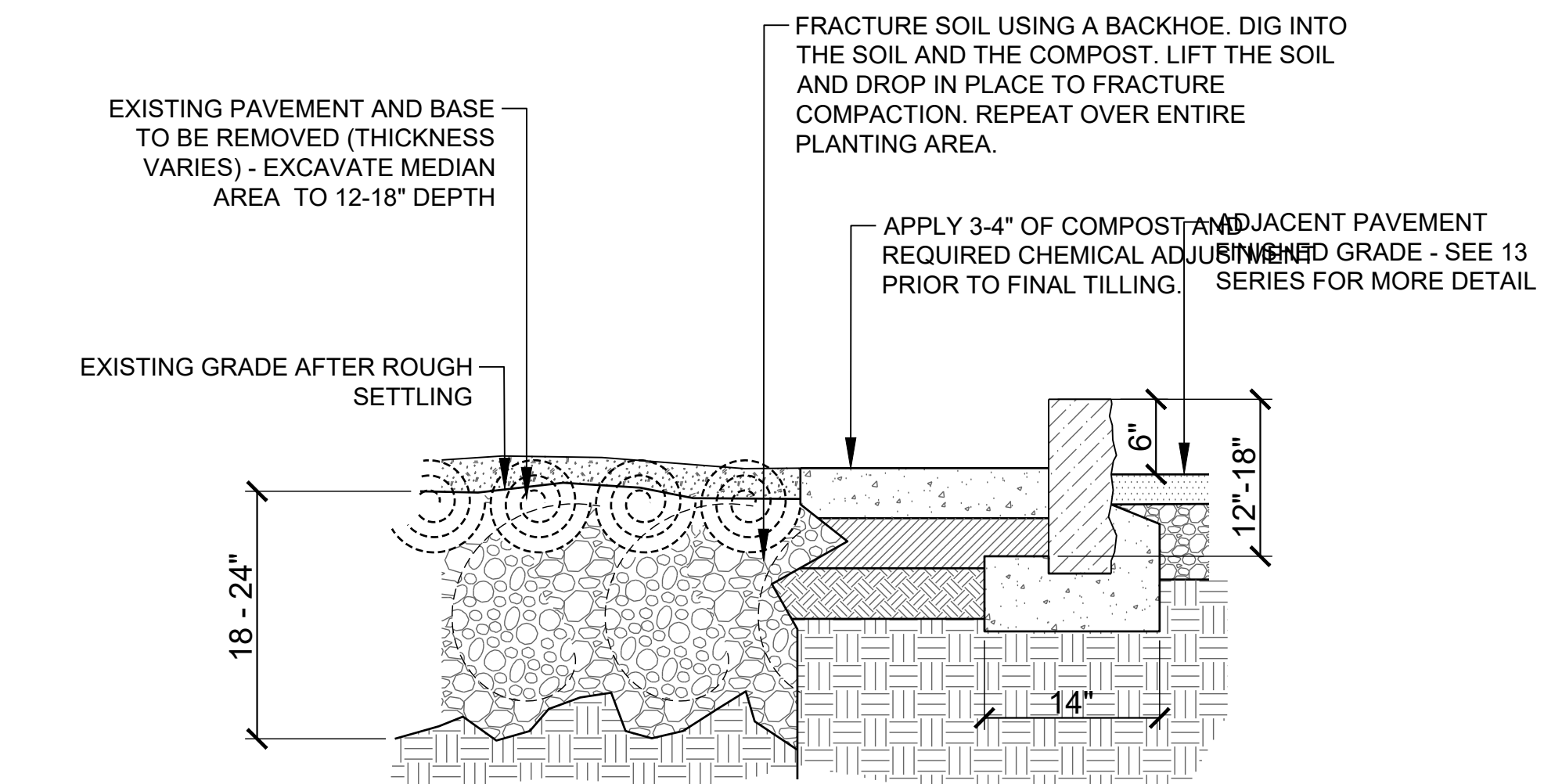
C4 SODDING DETAIL

SCALE: NTS



B4 SHRUB/GROUNDCOVER PLANTING ON SLOPE

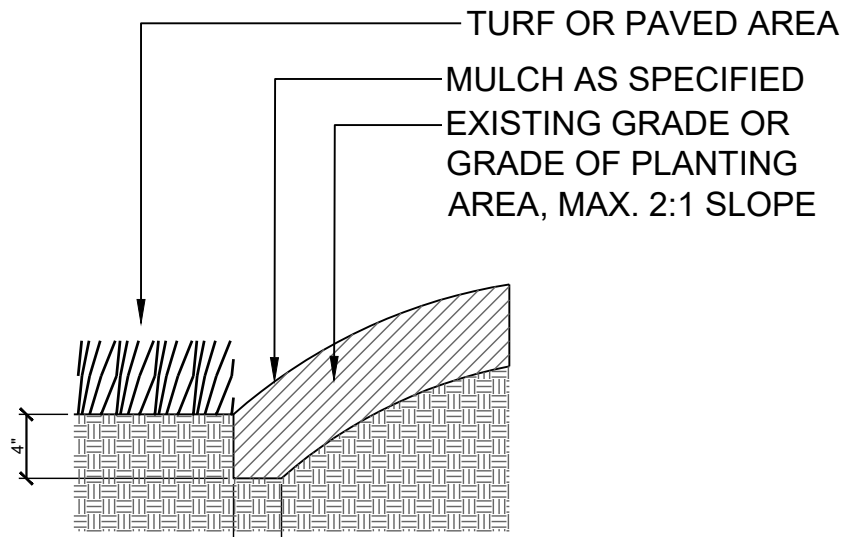
SCALE: NTS



B1 LANDSCAPE BACKFILL OVER EXISTING PAVEMENT

SCALE: NTS

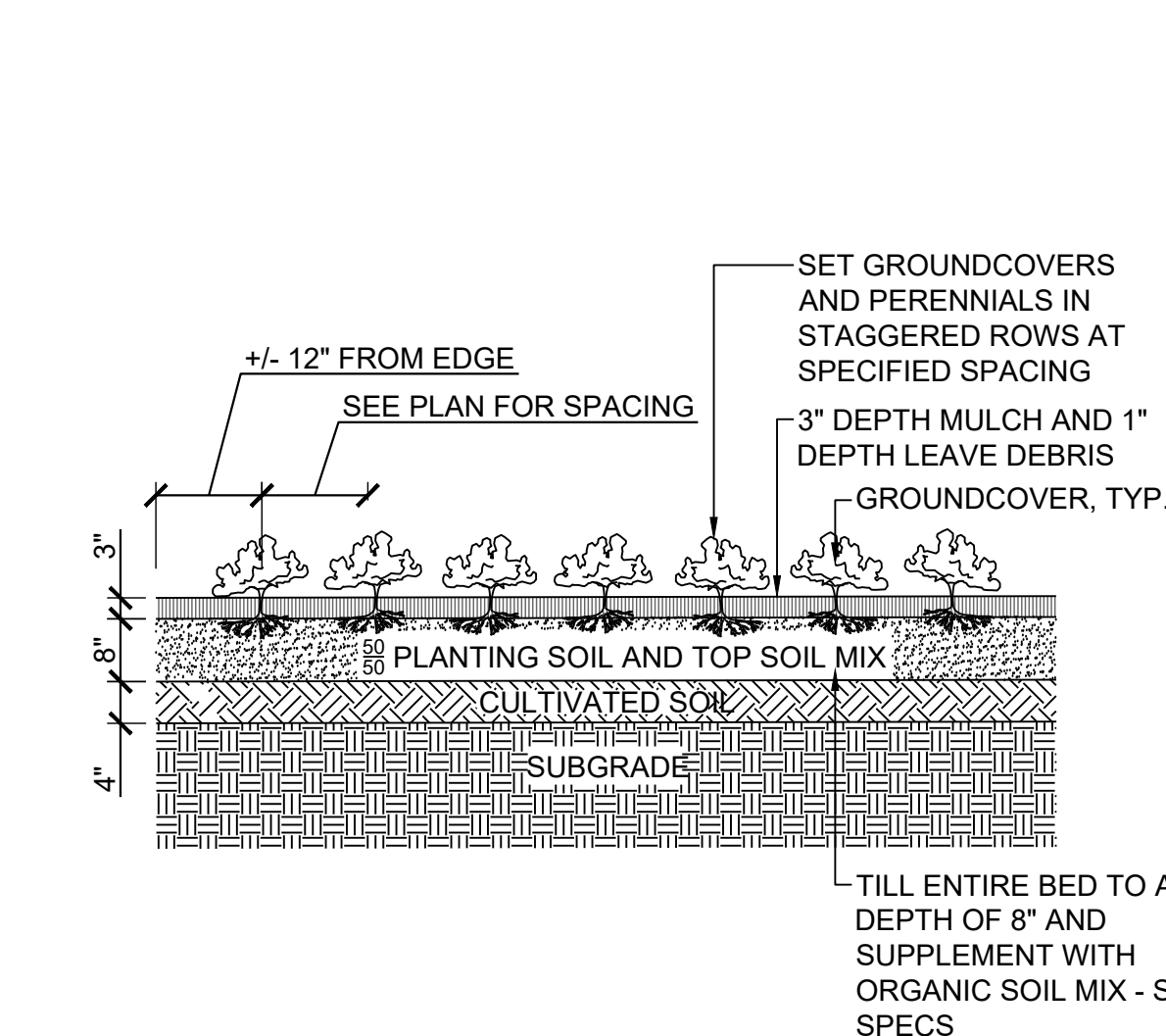
- NOTES:**
1. BEFORE STARTING SOIL FRACTURING, APPLY 2-3" OF COMPOST OVER EXISTING GRADE
 1. FOR PLANTING AREAS NARROWER THAN 8' REDUCE THE DISTANCE BETWEEN PAVING AND SOIL FRACTURING FROM 2' TO 1'.
 2. LANDSCAPE BACKFILL TO BE 80% TOPSOIL INCORPORATED WITH 20% CLM BY ITS SAULNATURAL OR A MIX OF SAND AND COMPOST. PROVIDE SAMPLE FOR APPROVAL.



B3 EDGING DETAIL

SCALE: NTS

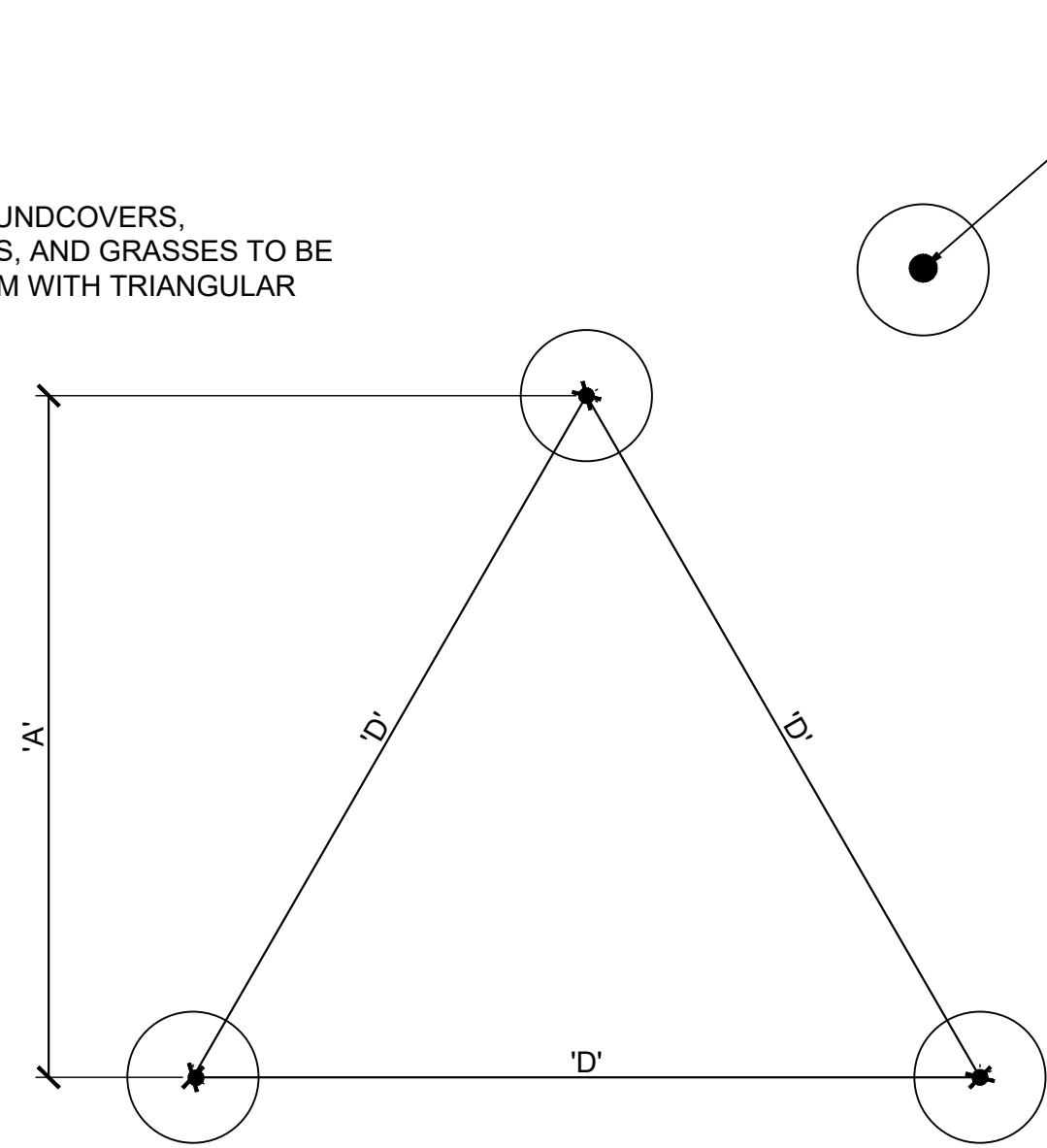
- NOTE:**
1. TRENCH EDGE DETAIL SHALL BE USED AT ALL LAWN EDGES & AT EDGES OF MULCHED AREAS (FOR CONTAINMENT).
 2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS; & SHALL CREATE SMOOTH & EVEN LINES (AS INDICATED ON THE PLANS).



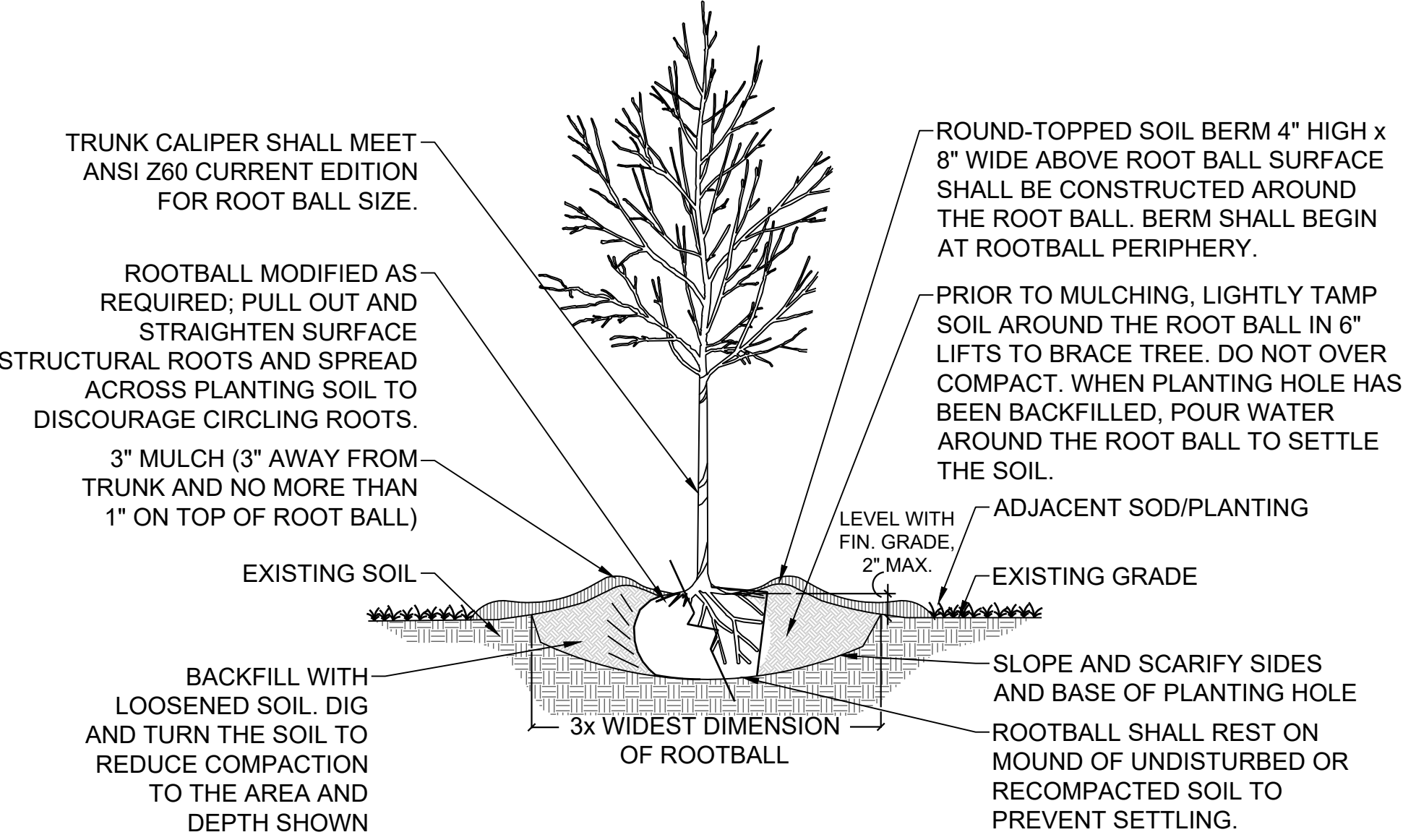
A1 GROUND COVER/PERENNIAL PLANTING DETAIL

SCALE: NTS

NOTE: GROUNDCOVERS, PERENNIALS, AND GRASSES TO BE INSTALLED M WITH TRIANGULAR SPACING.



PLANT SPACING 'D'	ROW 'A'
8" O.C.	7.00" O.C.
10" O.C.	8.5" O.C.
12" O.C.	10.5" O.C.
18" O.C.	15.5" O.C.
24" O.C.	21.0" O.C.
36" O.C.	30.0" O.C.
48" O.C.	31.5" O.C.



A4 BALLED AND BURLAPPED TREE PLANTING DETAIL

SCALE: NTS

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100% SUBMITTAL

10/12/2019

DATE: 2/22/2019

SOLICITATION NO.: 22222019

CONTRACT NO.:

FILE NAME: 29-001.dwg

FILE NUMBER: 29-001

DATE: 02/25/2019

DESIGNED BY: RBJ

CHECKED BY: TTN

DRAWN BY: SPT

SUBMITTED BY:

SCALE: 1" = 1'

SIZE: 22" x 34"

MARK

DESCRIPTION

DATE

APPR.

CITY OF CLARKSTON

SPILOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK

POND

3000 Parkway Lane, Suite 500
Clarkston, GA 30009
Phone 678.338.7740
Fax 678.338.7744

POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS

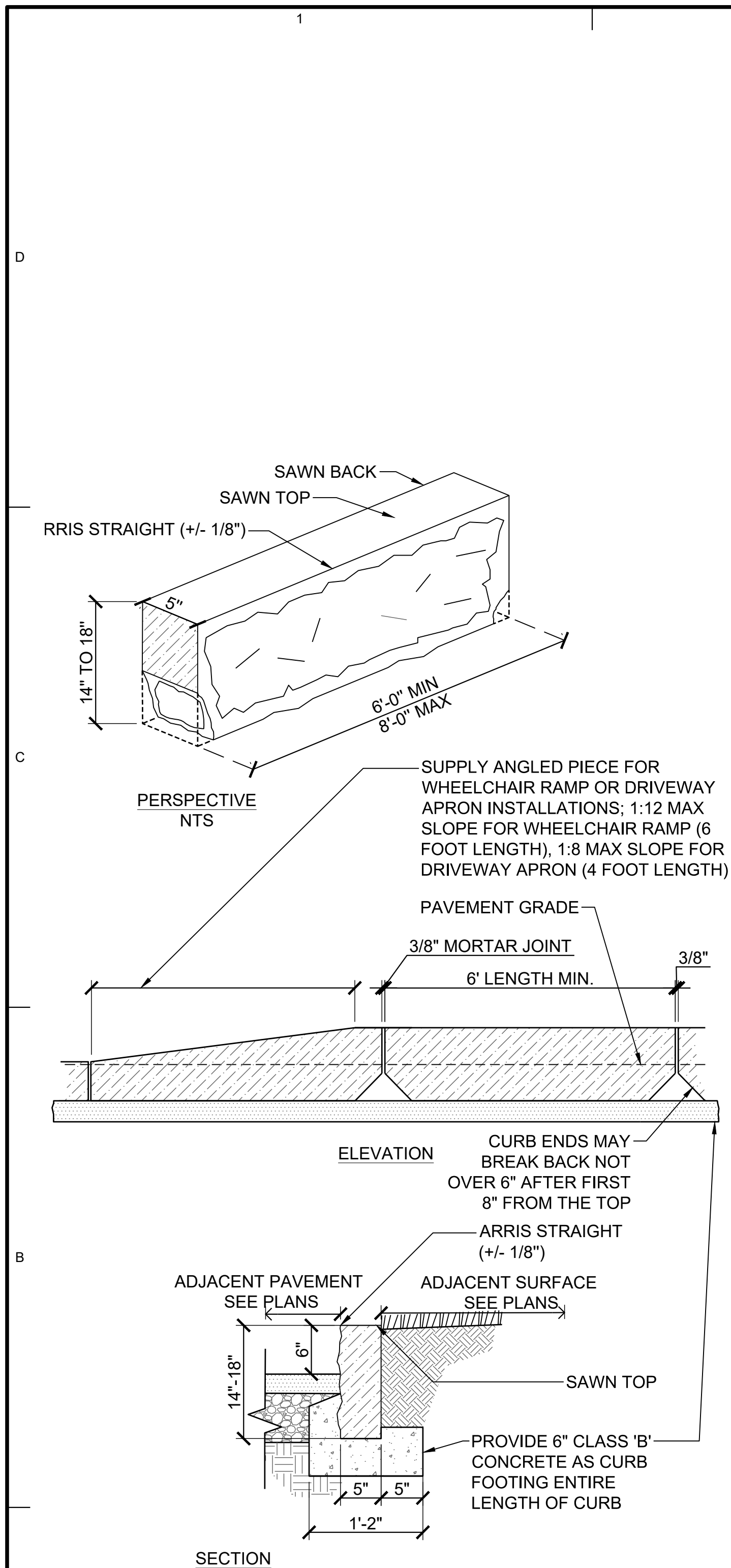
LANDSCAPE DETAILS

SHEET IDENTIFICATION NUMBER

29-005

100% DRAWINGS

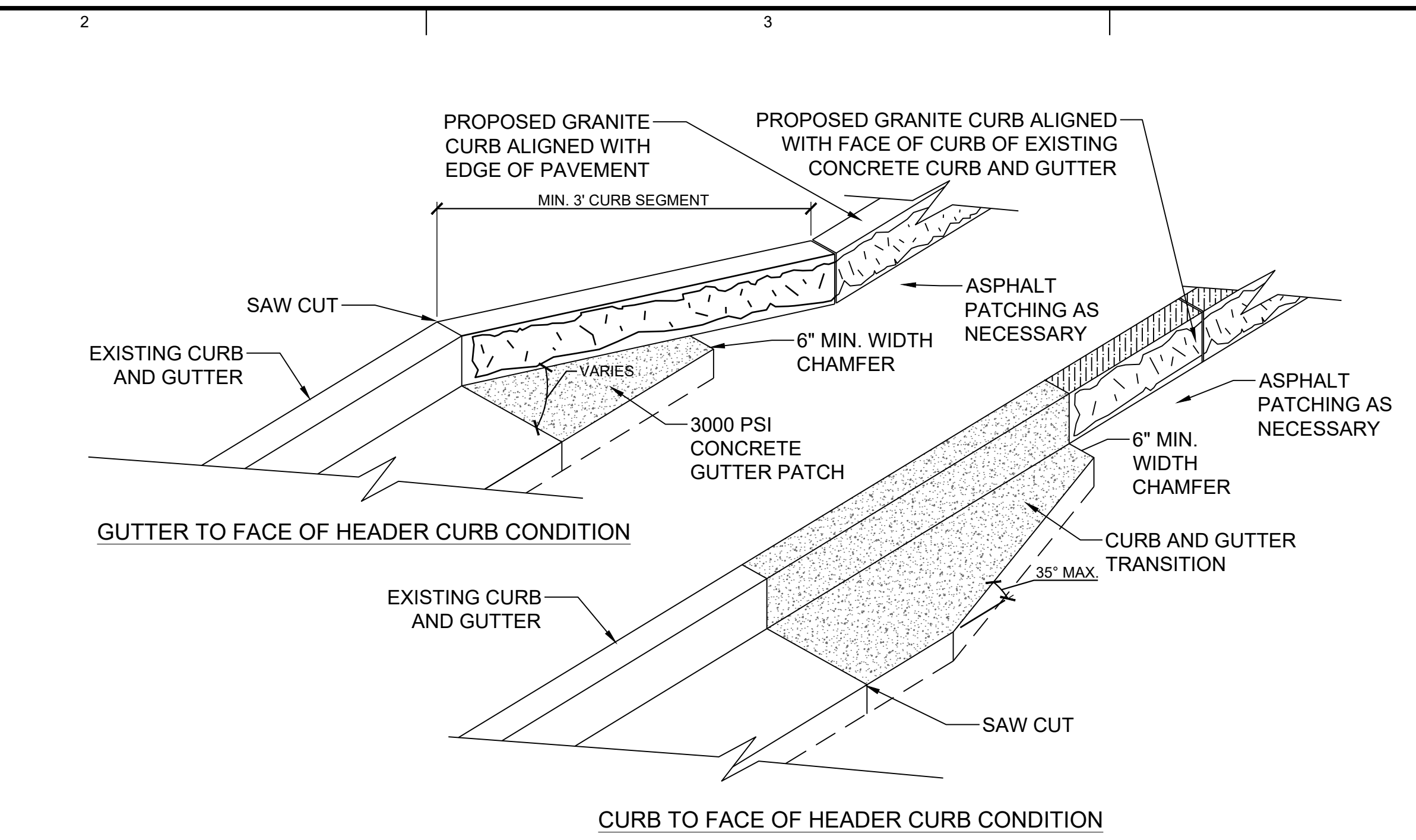
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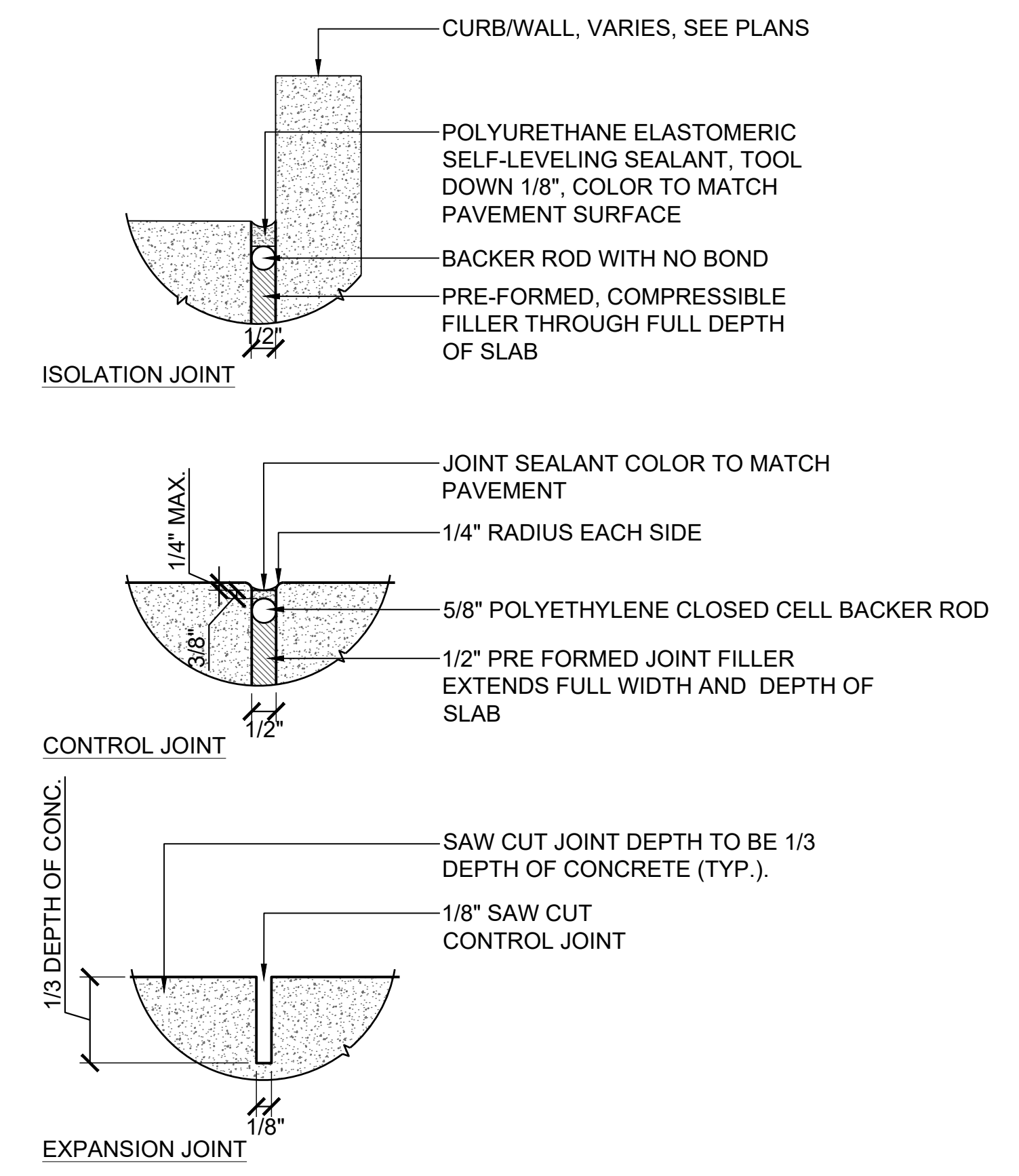
NOTES:

1. GRADE A GRANITE CURB, SPLIT FACE, SAWED TOP.
2. CURB ENDS MAY BREAK BACK NOT OVER 6" AFTER FIRST 8" FROM THE TOP.
3. PROJECTION IN BACK NOT TO EXCEED A BATTER OF 3" IN 12". JOINT OFF TO 1/4".
4. CURB SEGMENTS SHALL BE A MINIMUM OF 6 FEET LONG, UNLESS USED FOR PLANTERS, AS DIMENSIONED ON PLANS OR OTHERWISE APPROVED BY DESIGN PROFESSIONAL.
5. SEE SPECS FOR JOINT MATERIAL, TYP. JOINT FILLER SHALL BE A HOT-POURED, ELASTIC-TYPE SEALANT CONFORMING TO AASHTO M 173.
6. JOINT MORTAR SHALL CONSIST OF ONE (1) PART MASONRY CEMENT AND TWO (2) PARTS FINE AGGREGATE BY VOLUME. THE MORTAR SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,100 POUNDS PER SQUARE INCH (PSI) WHEN TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) C 780. THE MORTAR SHALL HAVE AN AIR CONTENT OF 15 ± 3 PERCENT WHEN TESTED IN ACCORDANCE WITH AASHTO T 152 OR AASHTO T 199.

A1 GRANITE CURB
SCALE: NTS



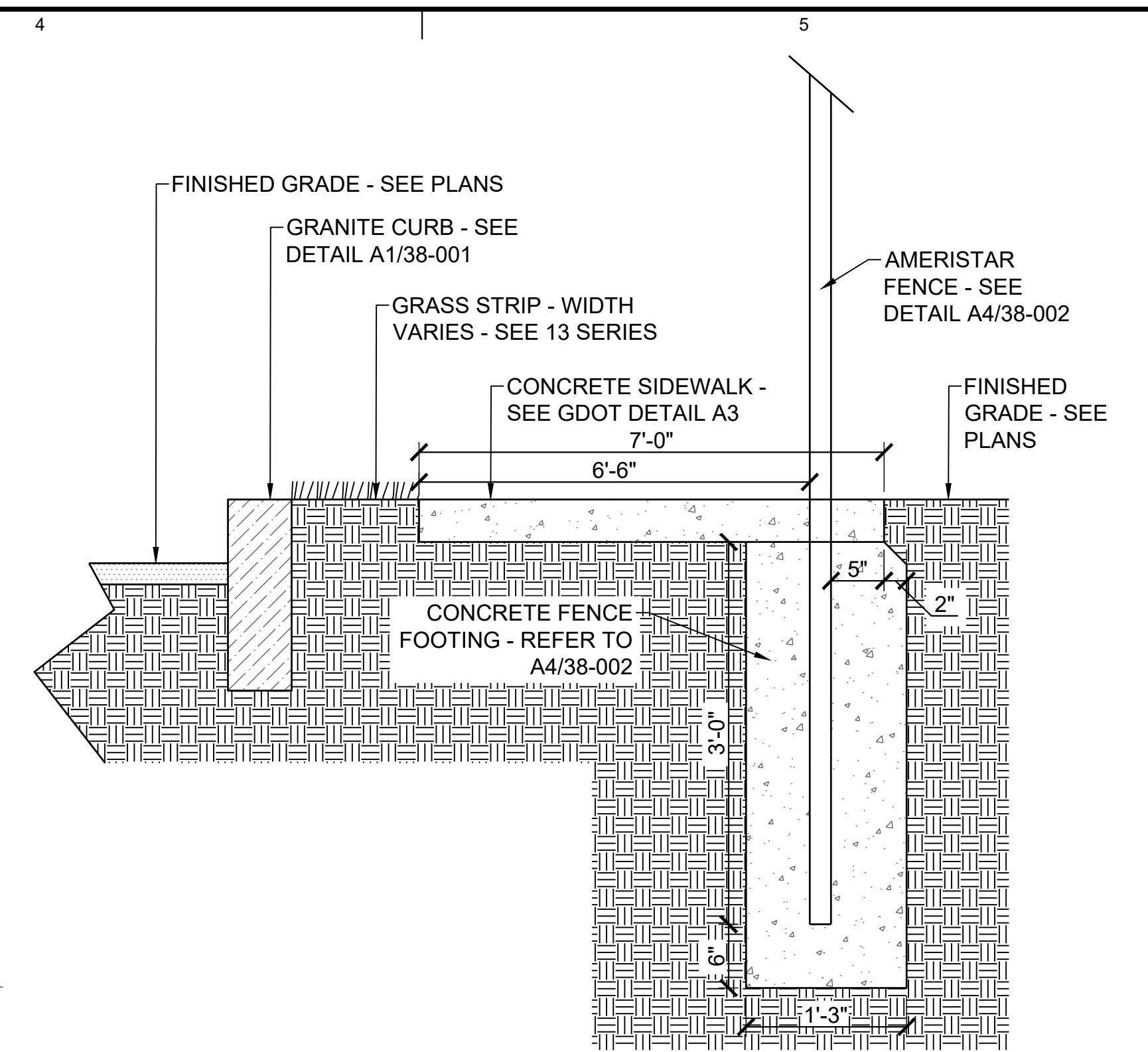
A2 HEADER CURB TO CURB AND GUTTER TRANSITION
SCALE: NTS



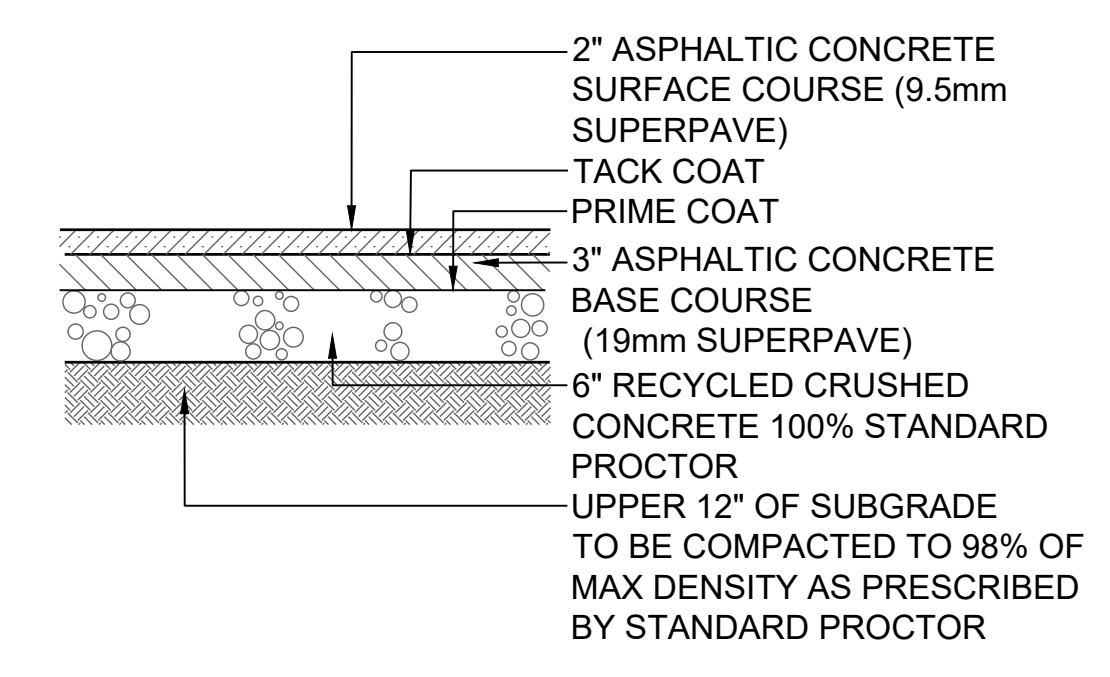
NOTES:

1. FOR ALL JOINT WIDTHS SEE CONTRACTOR DELEGATED DESIGN SUBMITTALS.
2. POLYURETHANE ELASTOMERIC SELF-LEVELING SEALANT, TOOL DOWN 1/8", COLOR TO MATCH PAVEMENT SURFACE.
3. LOCATE EXPANSION JOINTS EVERY 30' MAX. AND AT ALL SIDEWALK JUNCTIONS WITH CURBS, STRUCTURES, AND OTHER SIDEWALKS
4. LOCATE CONTROL JOINTS AS SHOWN ON SITE PLAN. SUBSTITUTE CONSTRUCTION JOINT AT CONTROL JOINT LOCATION WHERE REQUIRED
5. PROVIDE 3/4" JOINT AS NECESSARY PER GDOT STANDARDS

B3 CONCRETE JOINT DETAIL
SCALE: NTS



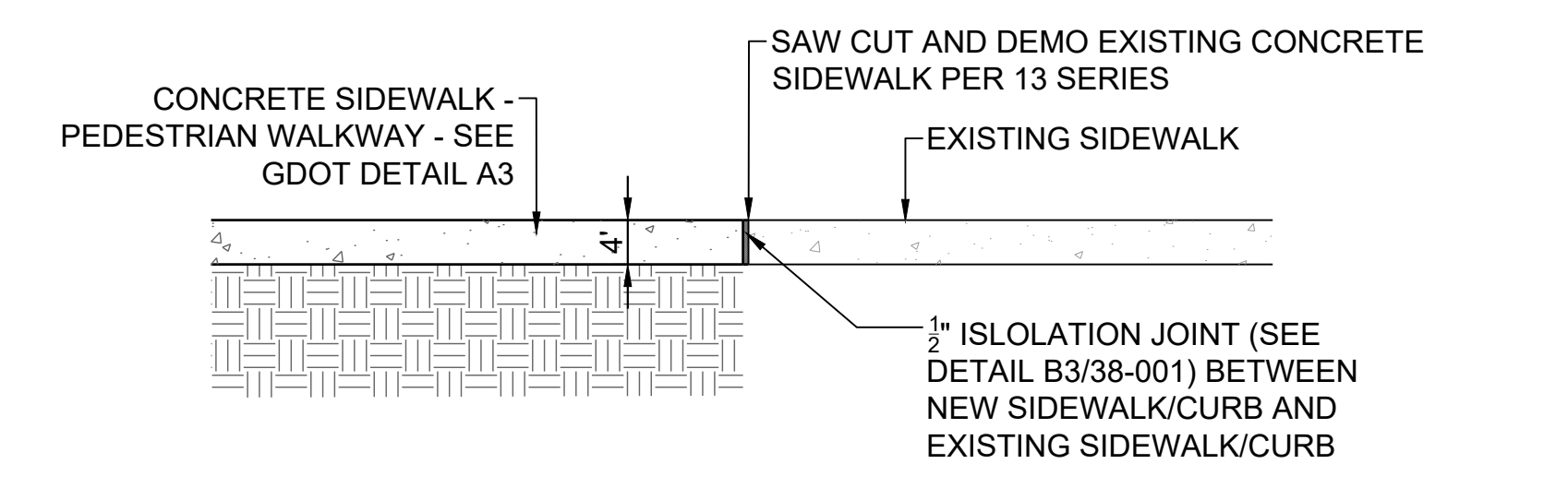
C4 FENCE AT SIDEWALK INSTALLATION DETAIL
SCALE: NTS



NOTES:

1. COMPACTION AND SUBBASE DEPTH TO BE VERIFIED AND APPROVED BY GEOTECHNICAL CONSULTANT, OWNER'S REPRESENTATIVE, AND DESIGN PROFESSIONAL PRIOR TO GAB PLACEMENT.
2. FOR BID PURPOSES ASSUME INSTALLATION ON COMPACTED 6" GAB. ANY ADDITIONAL WORK AS A RESULT OF RECOMMENDATIONS MADE BY GEOTECHNICAL CONSULTANT SHALL BE PAID/DELETED BY UNIT PRICE.
3. ASPHALTIC CONCRETE BASE TO CONSIST OF RECYCLED MATERIAL.

B4 HEAVY DUTY ASPHALT PAVEMENT
SCALE: NTS



A4 PROPOSED TO EXISTING SIDEWALK TRANSITION
SCALE: NTS

100% SUBMITTAL	10/12/2019	DATE	2/22/2019	DESIGNED BY: RBJ
		SOLICITATION NO.		DWN BY: SPT
		CONTRACT NO.		CHK BY: TN
		FILE NUMBER:		SUBMITTED BY:
		FILE NAME:		FILE NAME:
		FILE NUMBER:		FILE NUMBER:
		DATE:		DATE:
		MARK		MARK
		DESCRIPTION		DESCRIPTION
		DATE		DATE
		APPR.		APPR.
		SEAL		SEAL

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane
Clarkston, GA 30006
Phone 678.386.7740
Fax 678.386.7744

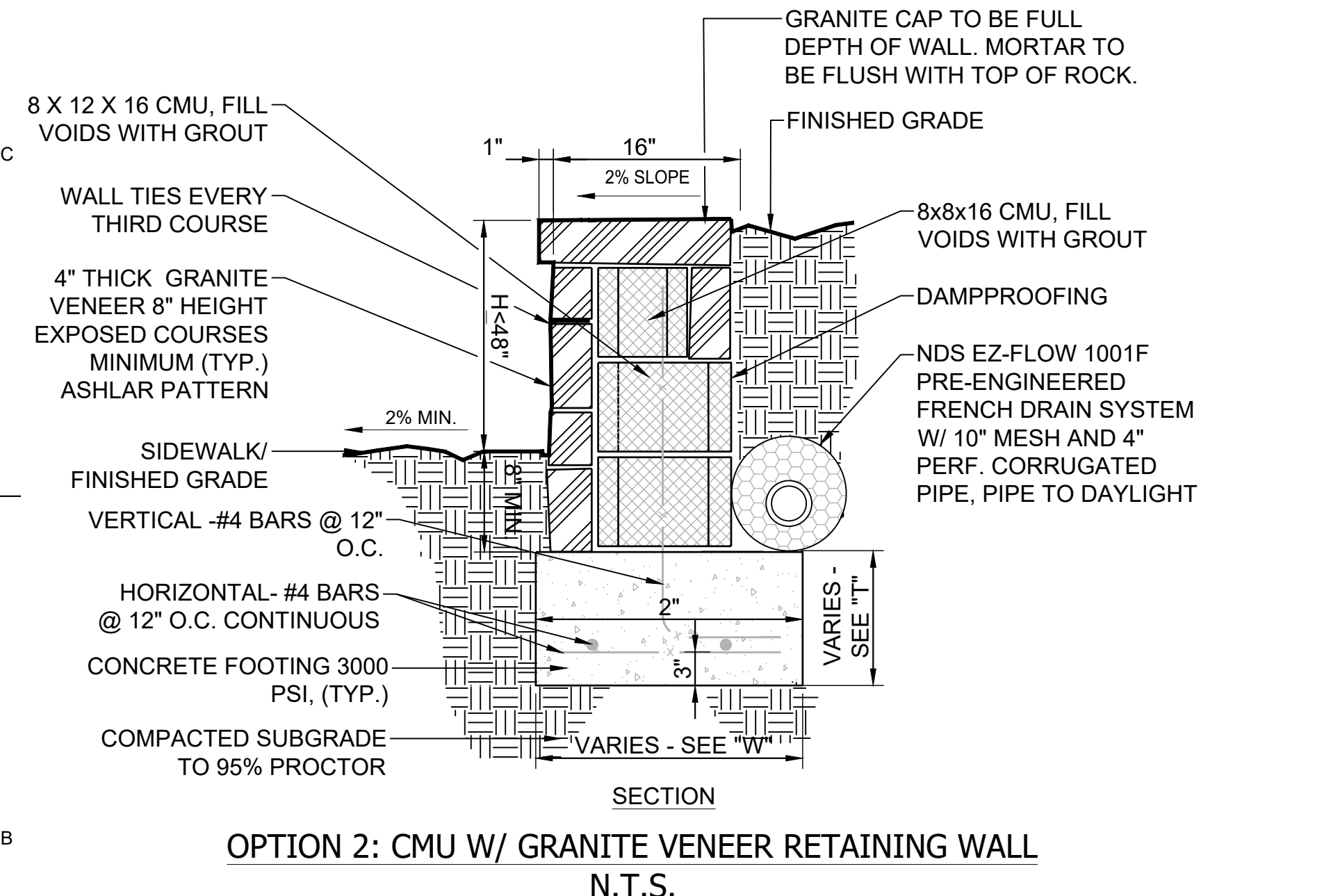
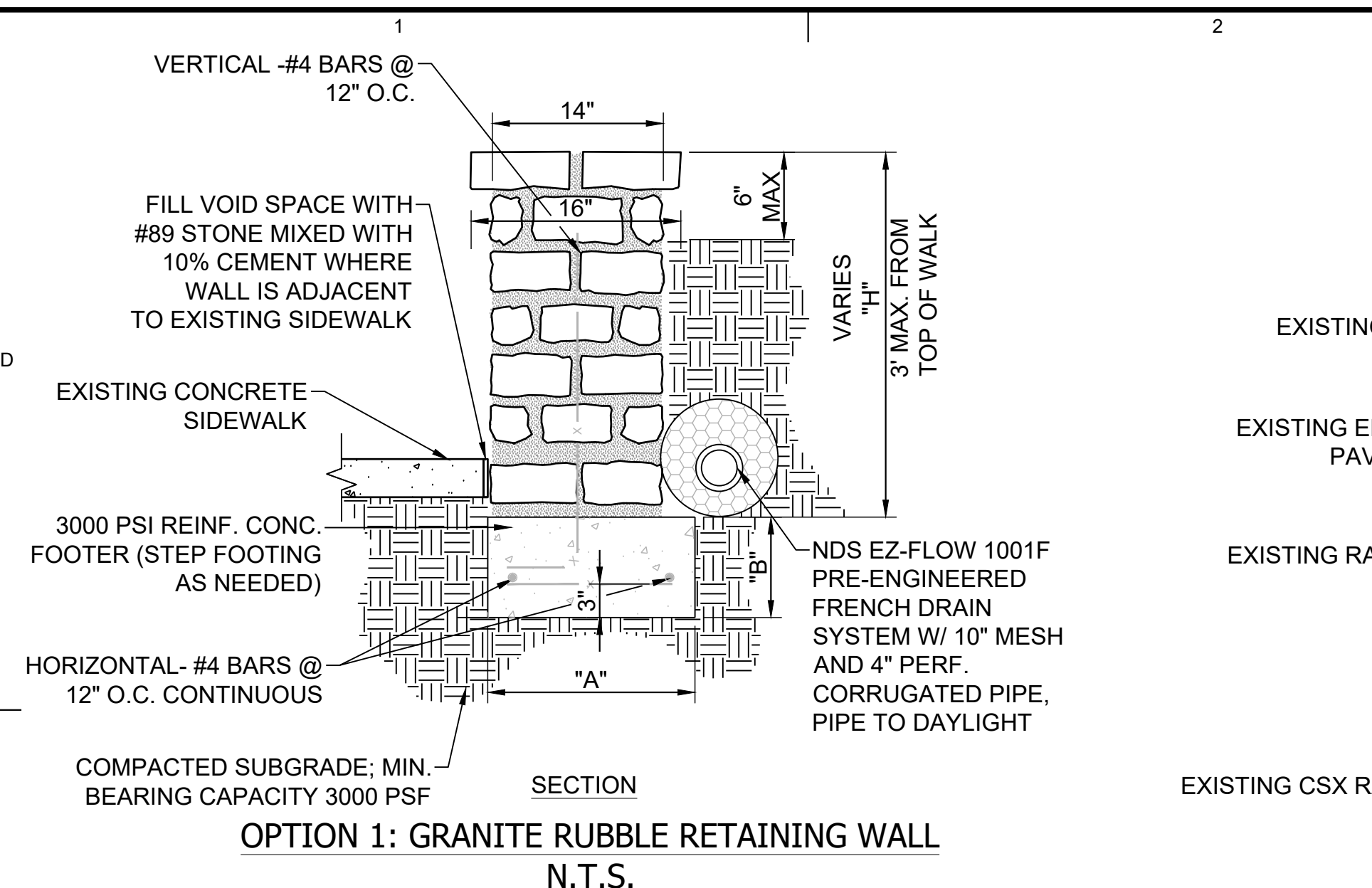
POND PROJECT No.: 190154
SCALE: 22" x 34" 1:1

PONCE/CHURCH SIDEWALKS
SPECIAL CONSTRUCTION DETAILS

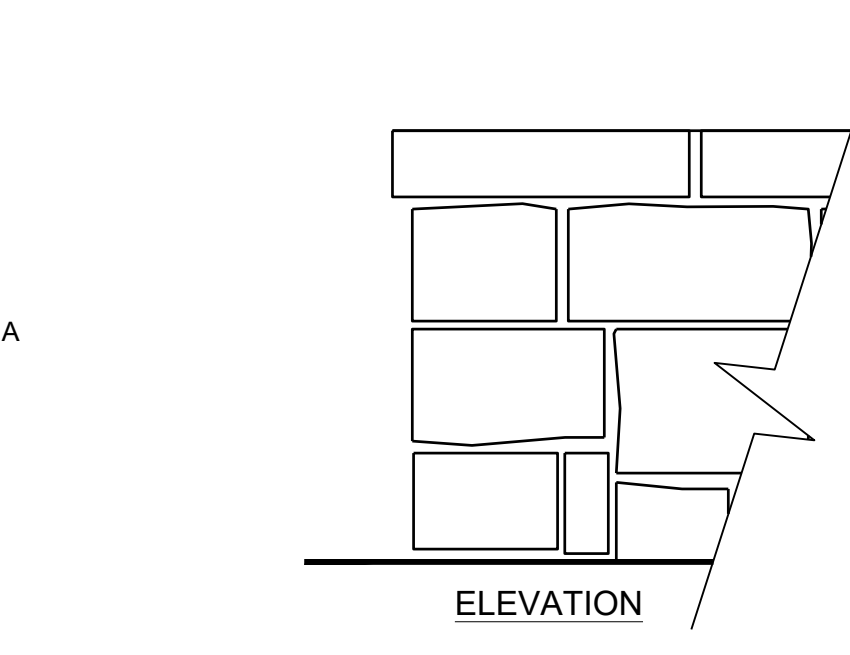
SHEET IDENTIFICATION NUMBER
38-001

100% DRAWINGS

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02\CAD\CHURCH & PONCE\38-001.DWG PLOTTED BY: THOMPSON, SYDNEY



- GENERAL NOTES FOR RETAINING WALLS:**
- CONTRACTOR MAY PRICE EITHER THE 'GRANITE RUBBLE' OR 'GRANITE VENEER' RETAINING WALL DESIGN.
 - SUBMIT SAMPLE OF GRANITE RUBBLE FOR APPROVAL BY OWNER'S REPRESENTATIVE.
 - STONE LAID IN PORTLAND CEMENT (3 PARTS SAND TO ONE PART CEMENT).
 - WEEPHOLE PIPES ARE TO BE ONE CONTINUOUS LENGTH, OR BELL AND SPIGOT WITH MORTAR JOINTS.
 - CONCRETE TO BE 3000 PSI.
 - WEEPHOLE PIPES TO BE PLACED AT SAME HEIGHT (6" ABOVE SIDEWALK) ALONG WALL. SET PIPE PRIOR TO INSTALLING GRANITE.
 - WEEPHOLE TO BE PROVIDED ONLY IF A FOUNDATION DRAIN IS NOT PROVIDED
 - MINIMUM BEARING CAPACITY SHALL BE 3000 PSF.
 - MORTAR JOINTS TO BE 3/4" MINIMUM ON AVERAGE.
 - COMPACTION AND SUBBASE DEPTH TO BE VERIFIED AND APPROVED BY GEOTECHNICAL CONSULTANT. FOR BID PURPOSES ASSUME INSTALLATION OF SUBBASE INDICATED ON DRAWINGS. ANY ADDITIONAL WORK AS A RESULT OF RECOMMENDATIONS MADE BY GEOTECHNICAL CONSULTANT SHALL BE PAID/DELETED BY UNIT PRICE.



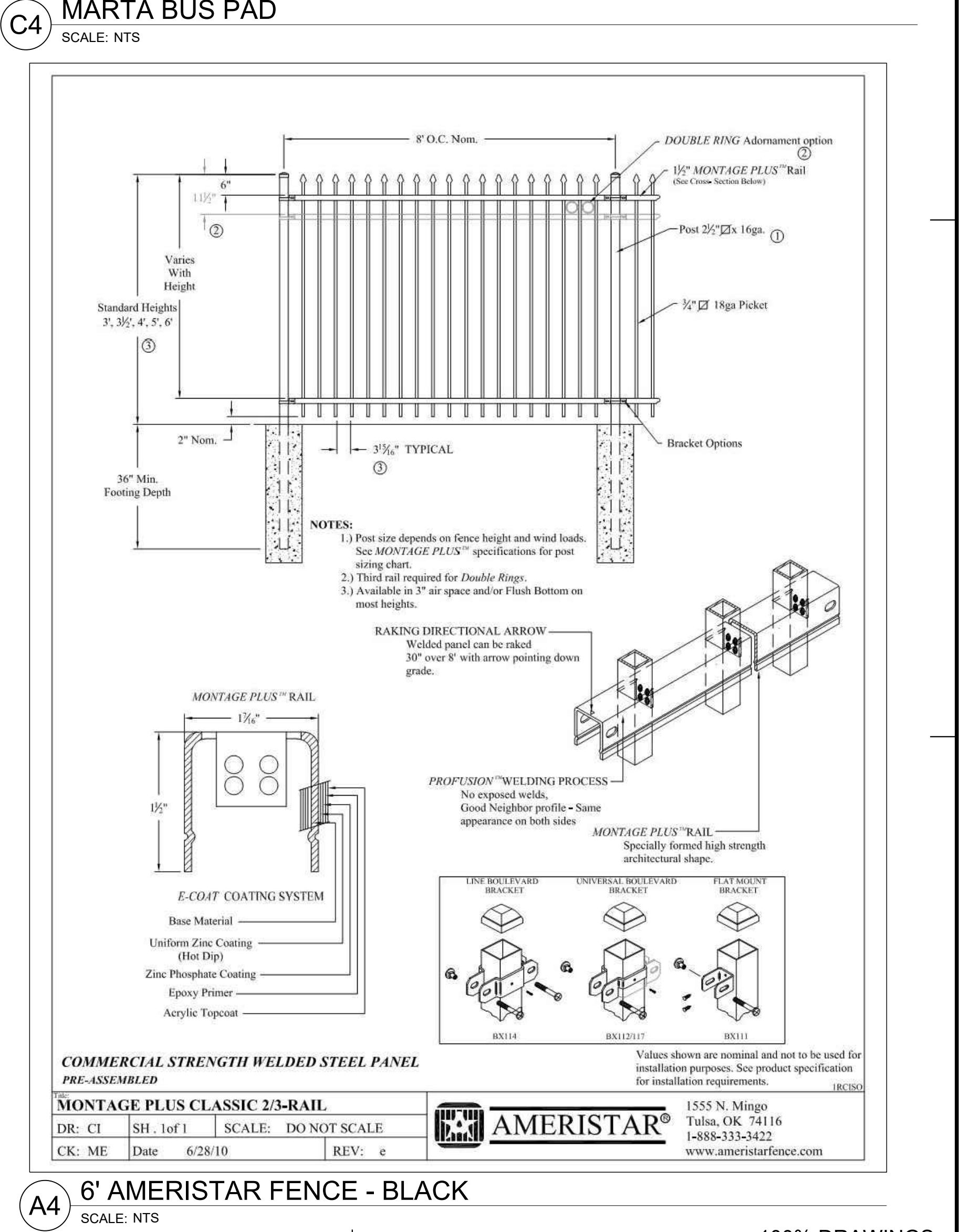
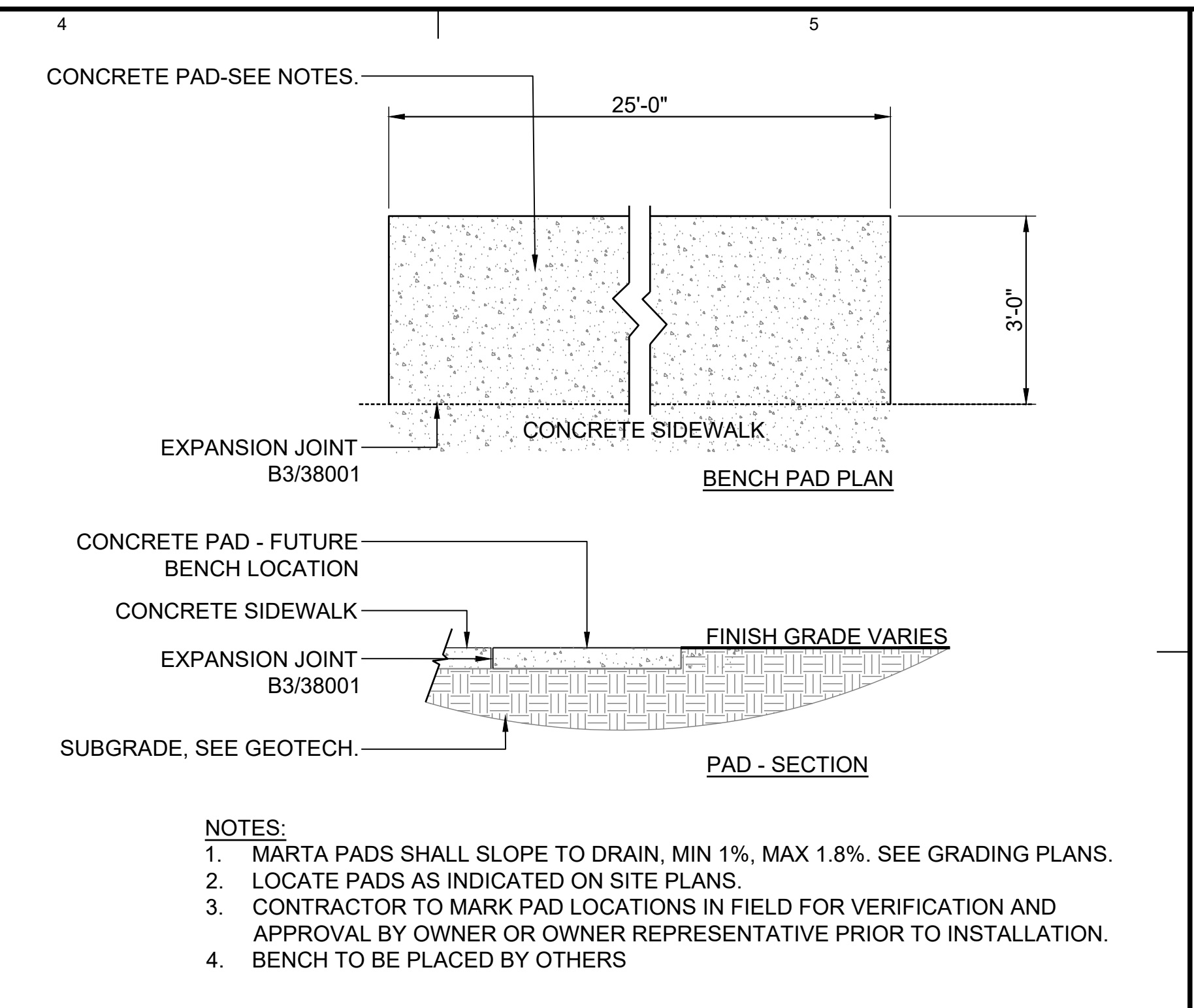
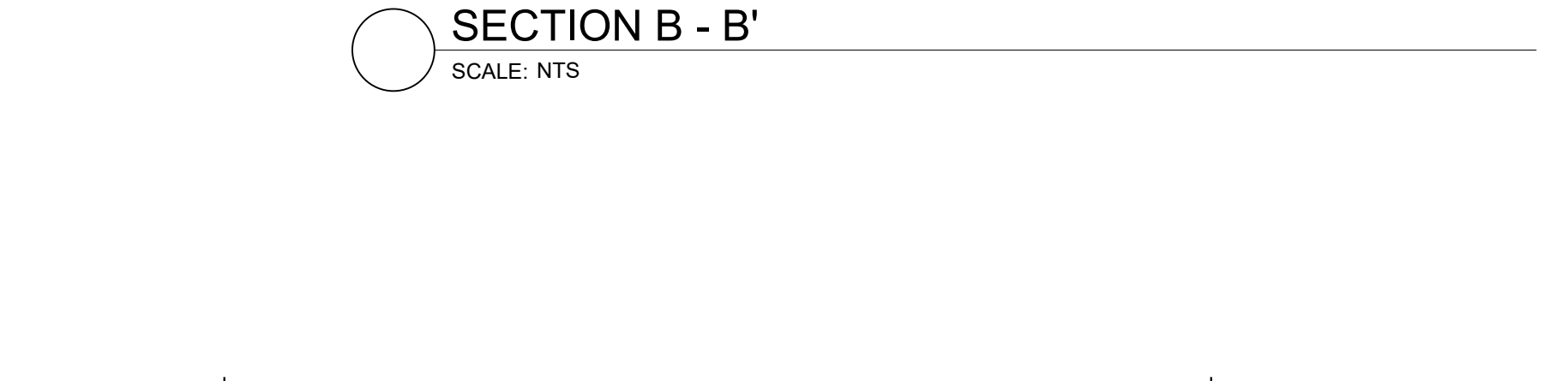
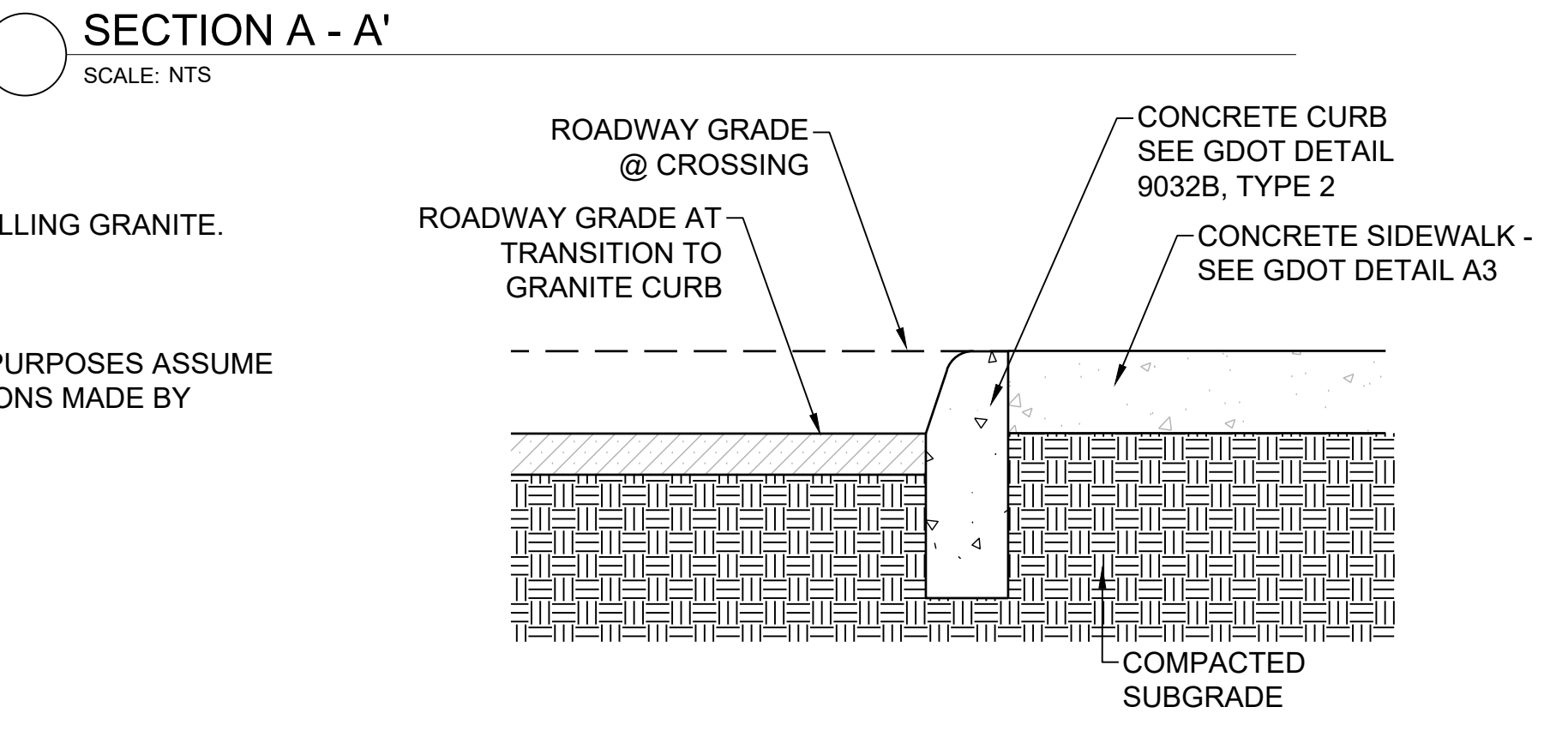
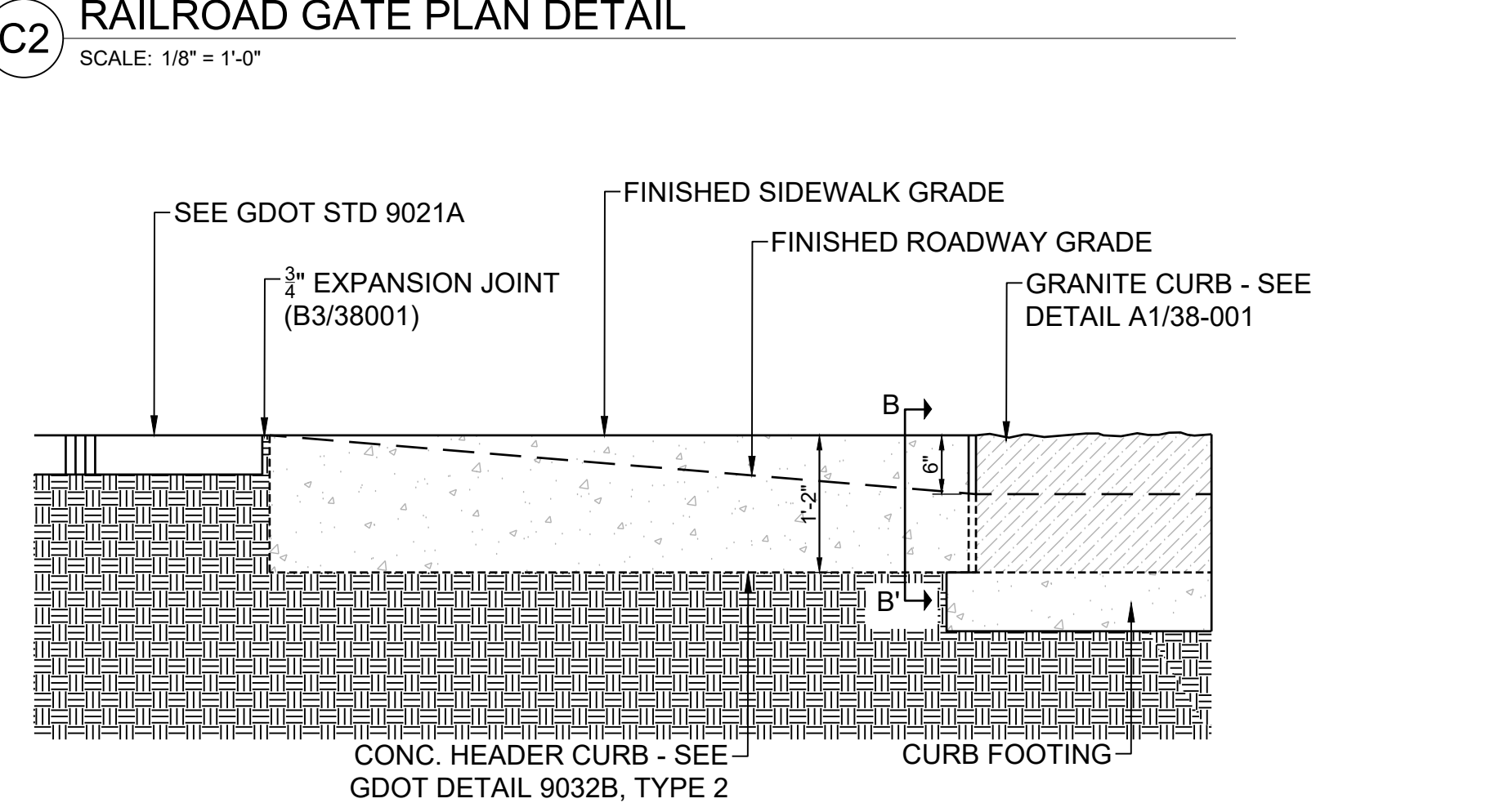
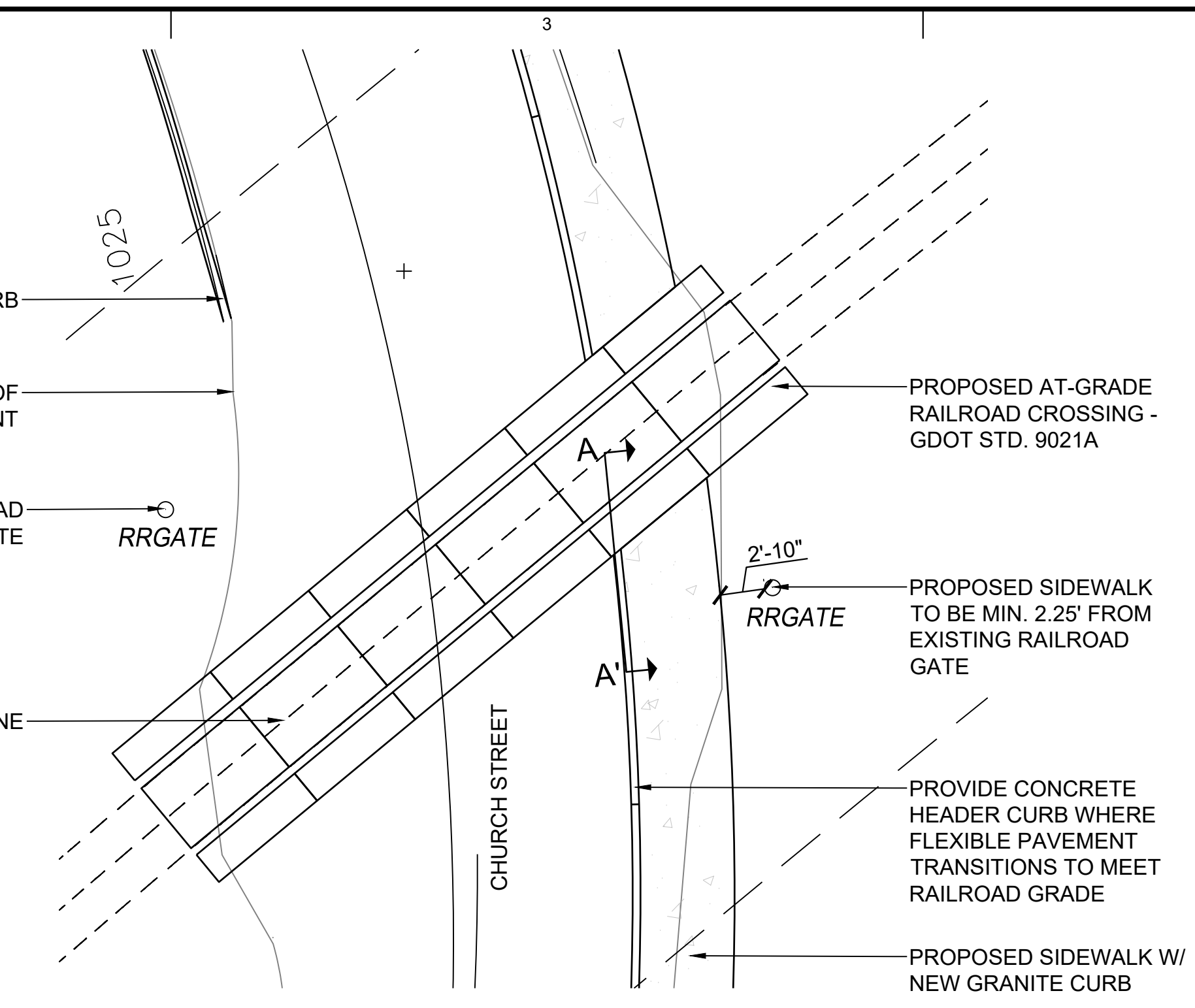
A1 GRANITE WALL DETAIL
SCALE: NTS

HEIGHT OF WALL "H" IN FT.	WIDTH AT TOP	WIDTH AT BASE "A"	THICKNESS AT BASE "B"
0 TO 2	1'-2"	1'-10"	8"
2 TO 3	1'-2"	2'-4"	8"
> 3	REQUIRES P.E. DESIGN		

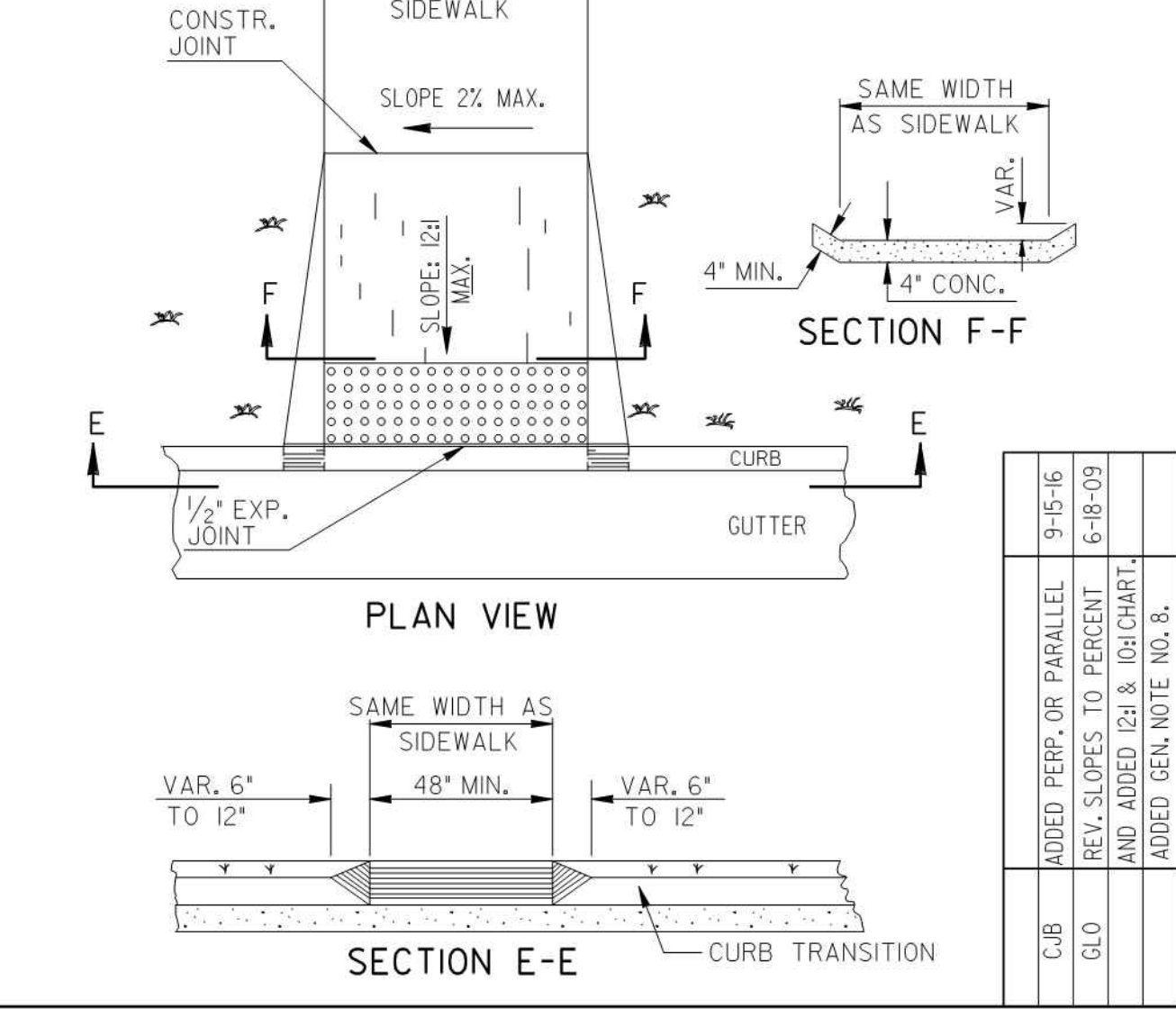
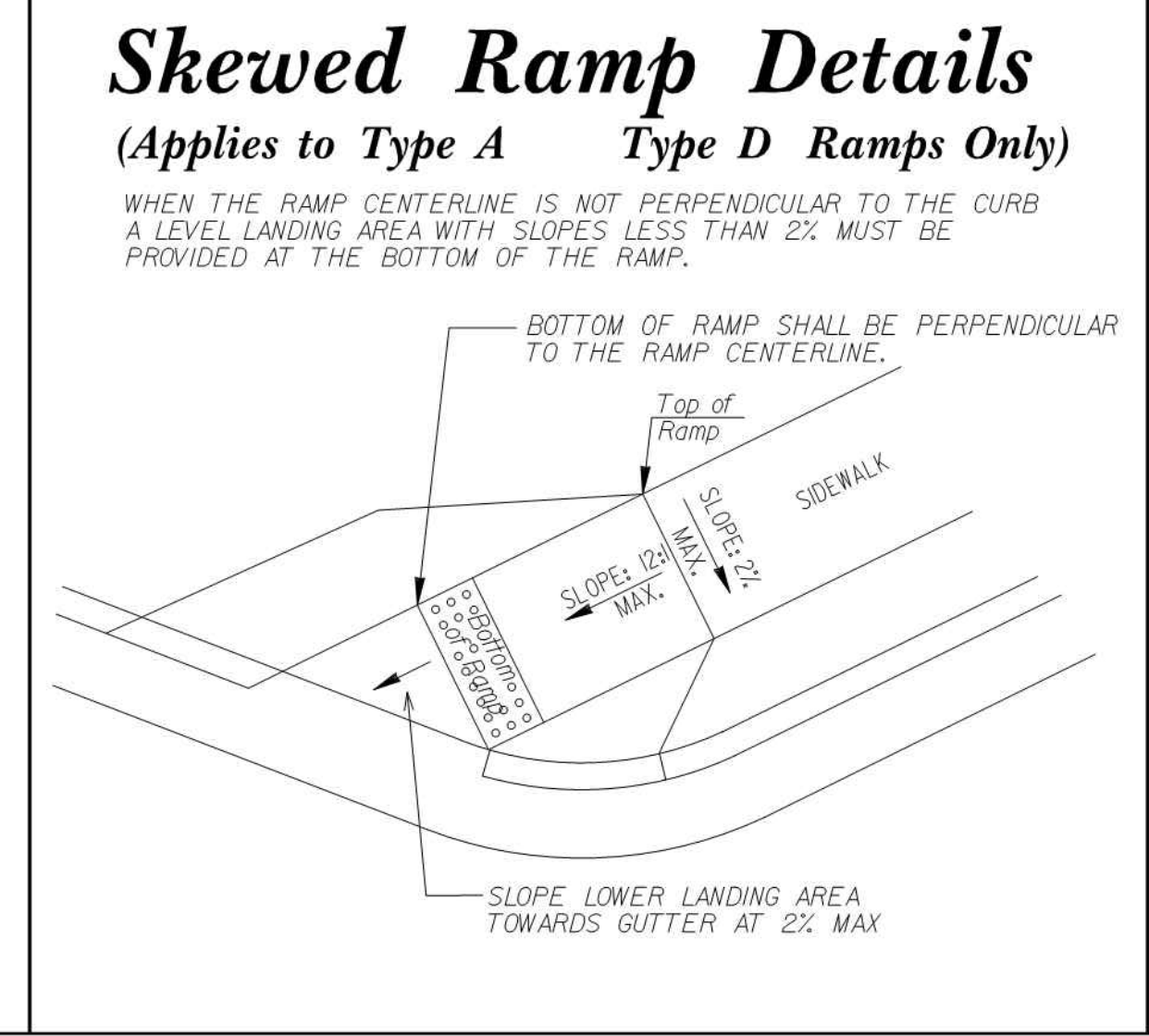
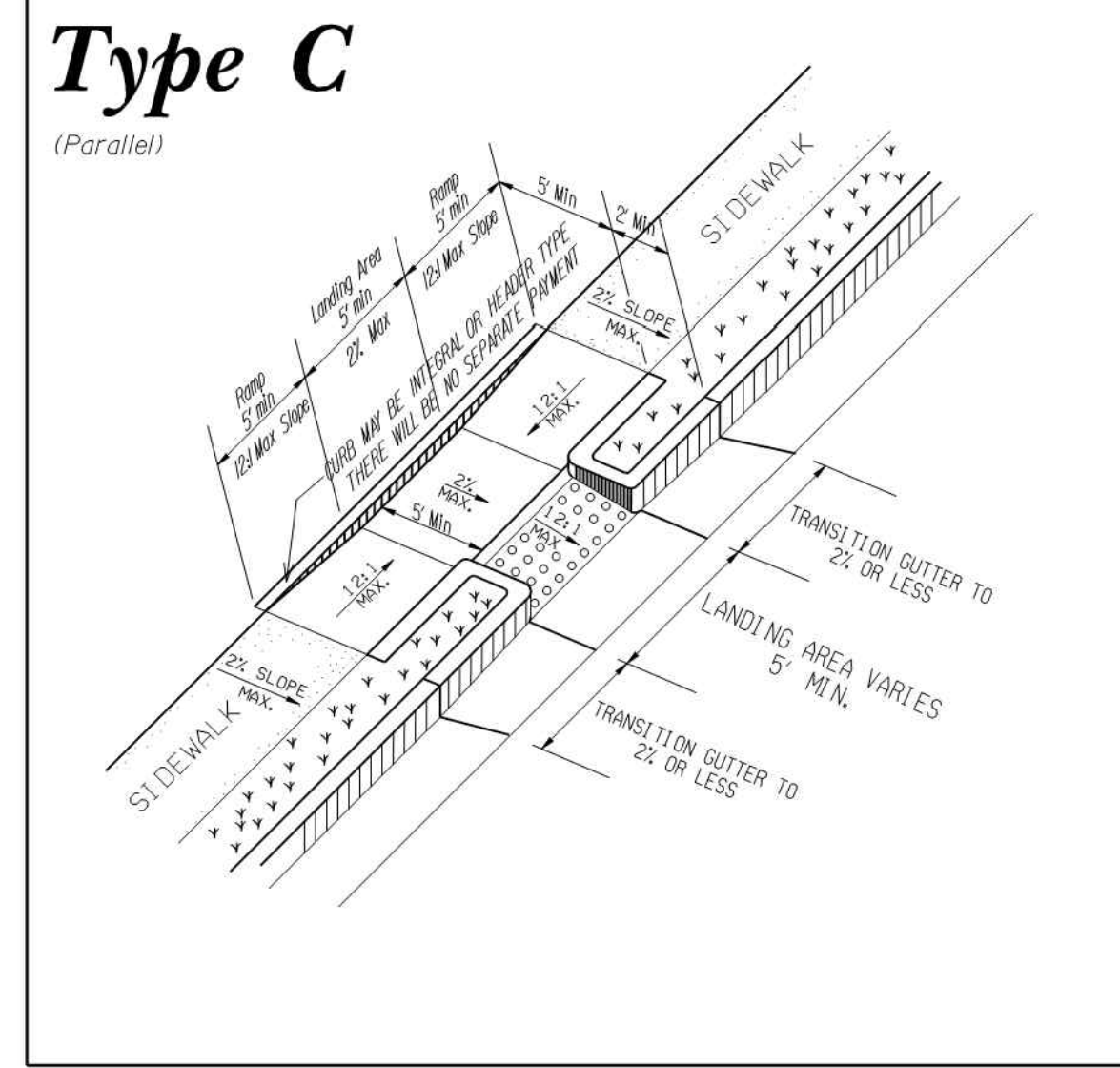
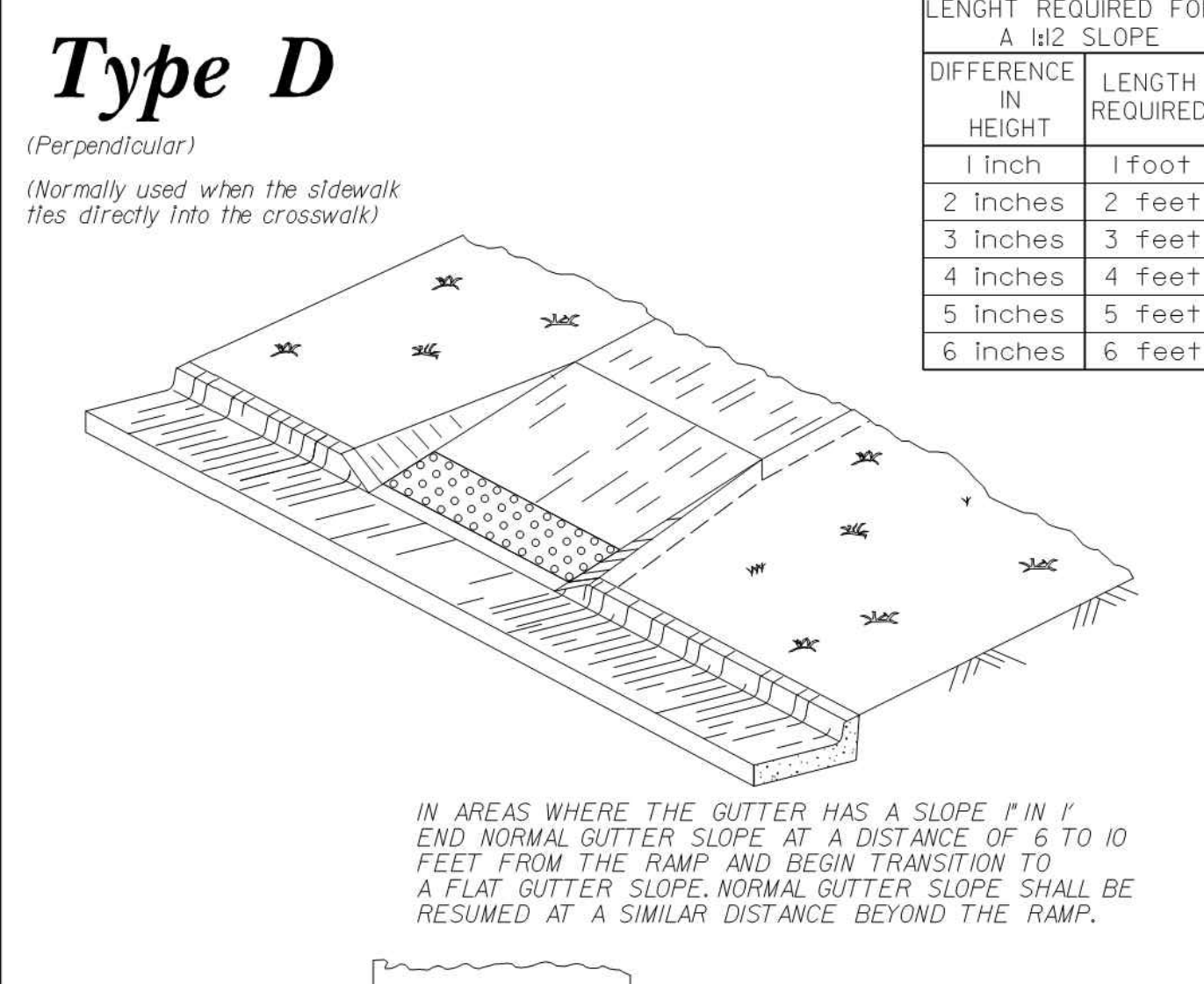
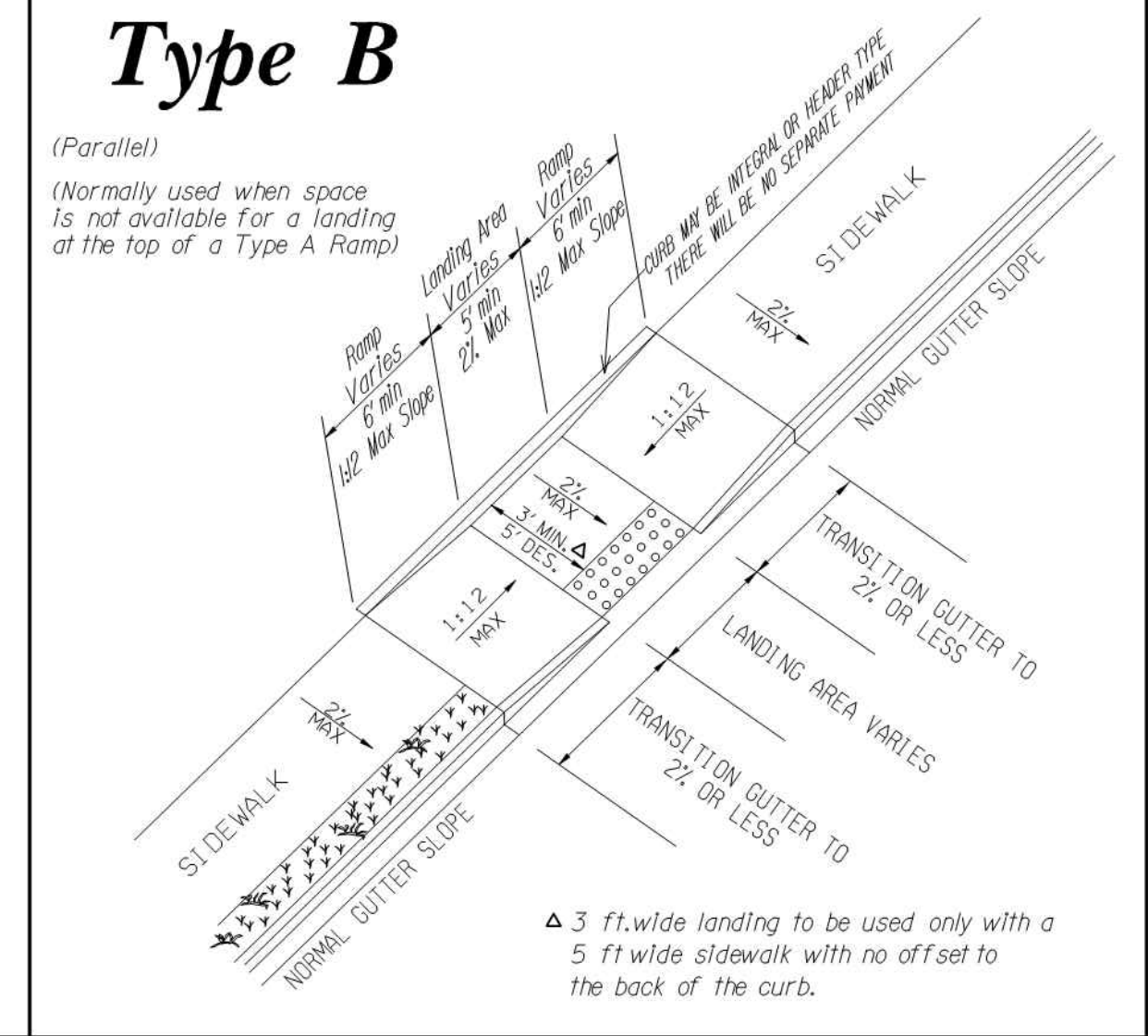
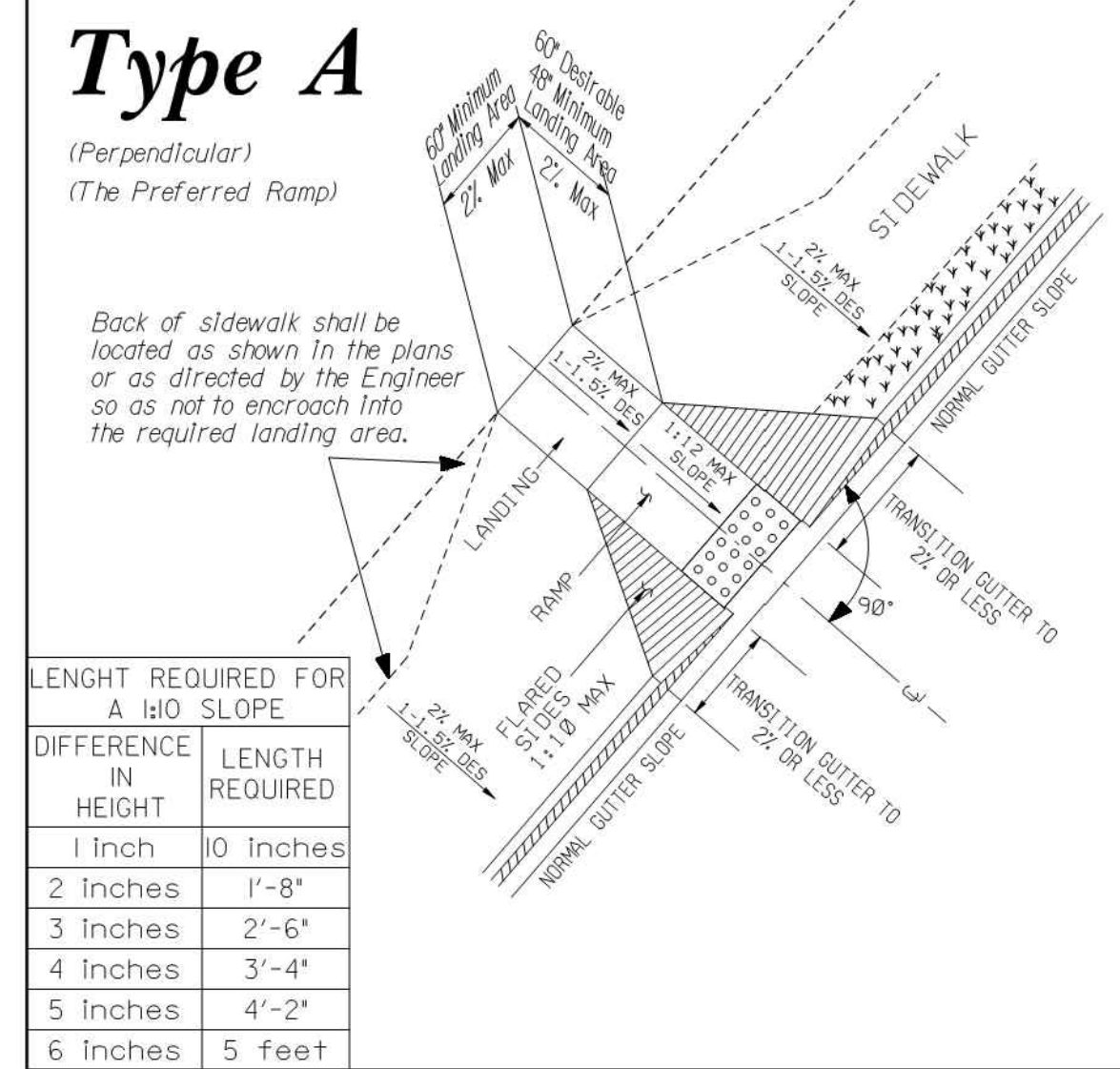
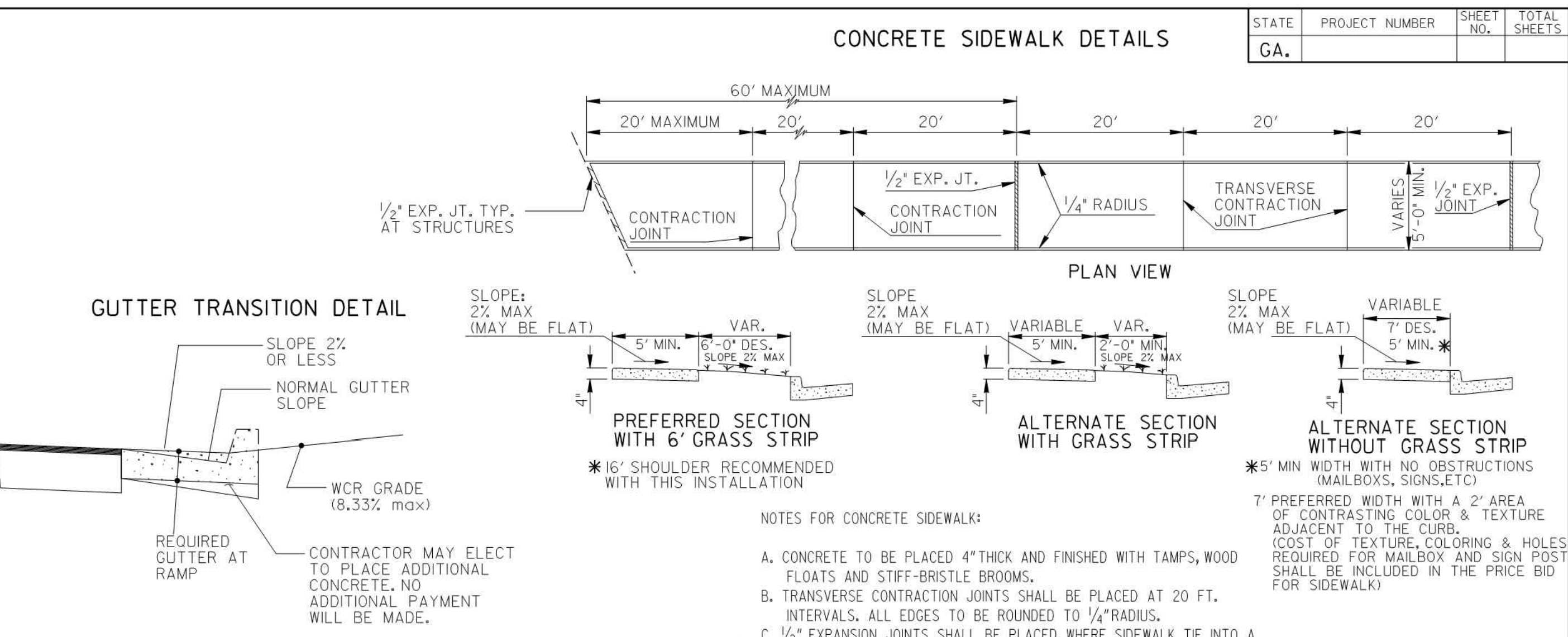
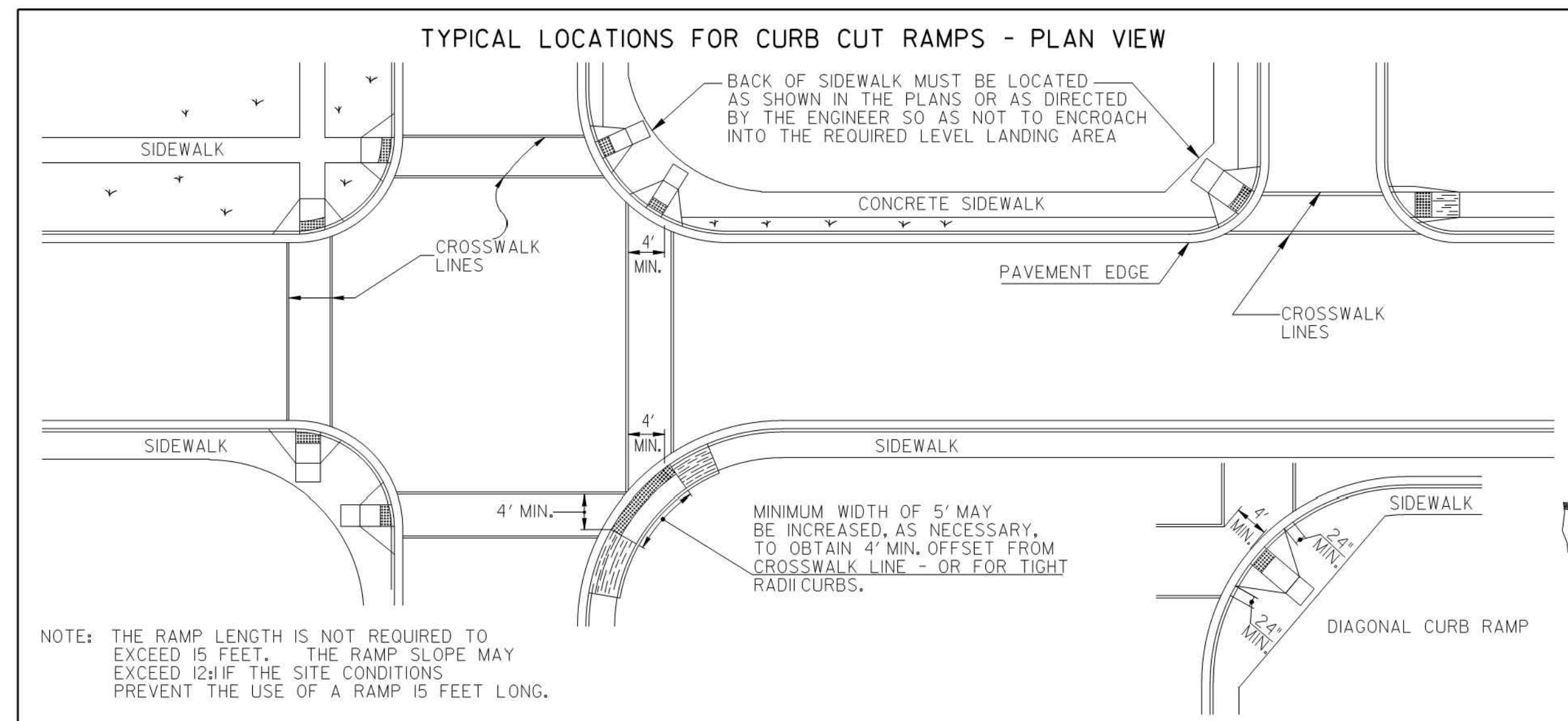
HEIGHT CHART FOR RUBBLE MASONRY WALL

HEIGHT OF WALL "H"	THICKNESS OF FOOTING "T"	WIDTH OF FOOTING "W"
<30"	12"	24"
31"-42"	12"	3'-4"
43"-48"	16"	4'-6"
>48"	REQUIRES P.E. DESIGN	

HEIGHT CHART FOR CMU MASONRY WALL



10/12/2019	100% SUBMITTAL	DATE	DESCRIPTION	MARK	APPR.
DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/25/2019
DWN BY: SPT	CKD BY: TN	SUBMITTED BY:	FILE NAME:	SIZE:	PLOT SCALE: 22" x 34" 1:1
<p>CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK</p> <p>POND 3000 Parkway Lane Tulsa, OK 74116 Phone 678.338.7740 Fax 678.338.7744 POND PROJECT No.1190154</p>					
<p>PONCE/CHURCH SIDEWALKS</p> <p>SPECIAL CONSTRUCTION DETAILS</p>					
<p>SHEET IDENTIFICATION NUMBER 38-002</p>					



- ### NOTES FOR CONCRETE SIDEWALK:
- CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
 - TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
 - 1/2" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.
- ### NOTES FOR CURB CUT RAMPS:
- CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.
 - AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
 - WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.
 - AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC., WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
 - RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
 - DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
 - WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
 - WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
 - 1 IN. FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. SQ. YDS. OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
 - WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT, THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
 - DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN ADT OF 25 VPD.

This Detail Replaces Ga Standard 9031W

Guidelines For Usage On Metric Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1" = 25mm, 4" = 100mm, and 12" = 300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

NO.	DATE	REVISION
1	9-15-16	ADDED PERP. OR PARALLEL
2	6-18-09	REV. SLOPES TO PERCENT
3	6-18-09	AND ADDED 12:1 & 10:1 CHART.
4	5-10-06	ADDED GEN. NOTE NO. 8.
5	2-21-03	REV. TRUNCATED DOMES
6	2-10-03	REVISED
7	7-29-02	REVISED
8	5-29-02	REVISED
9	5-23-02	REVISED
10	5-13-02	REVISED
11	4-29-02	REVISED
12	4-1-02	REVISED
13	4-1-02	REVISED
14	3-28-02	REVISED

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE

MARCH 12, 2002

NUMBER
A3

10/12/2019	100% SUBMITTAL	MARK	DATE	APPR.
DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:
DWN BY: SPT	CHK BY: TN	FILE NAME:	40-001.DWG	40-001.DWG
10/12/2019	100% SUBMITTAL	MARK	DATE	APPR.

CITY OF CLARKSTON
SPLIST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

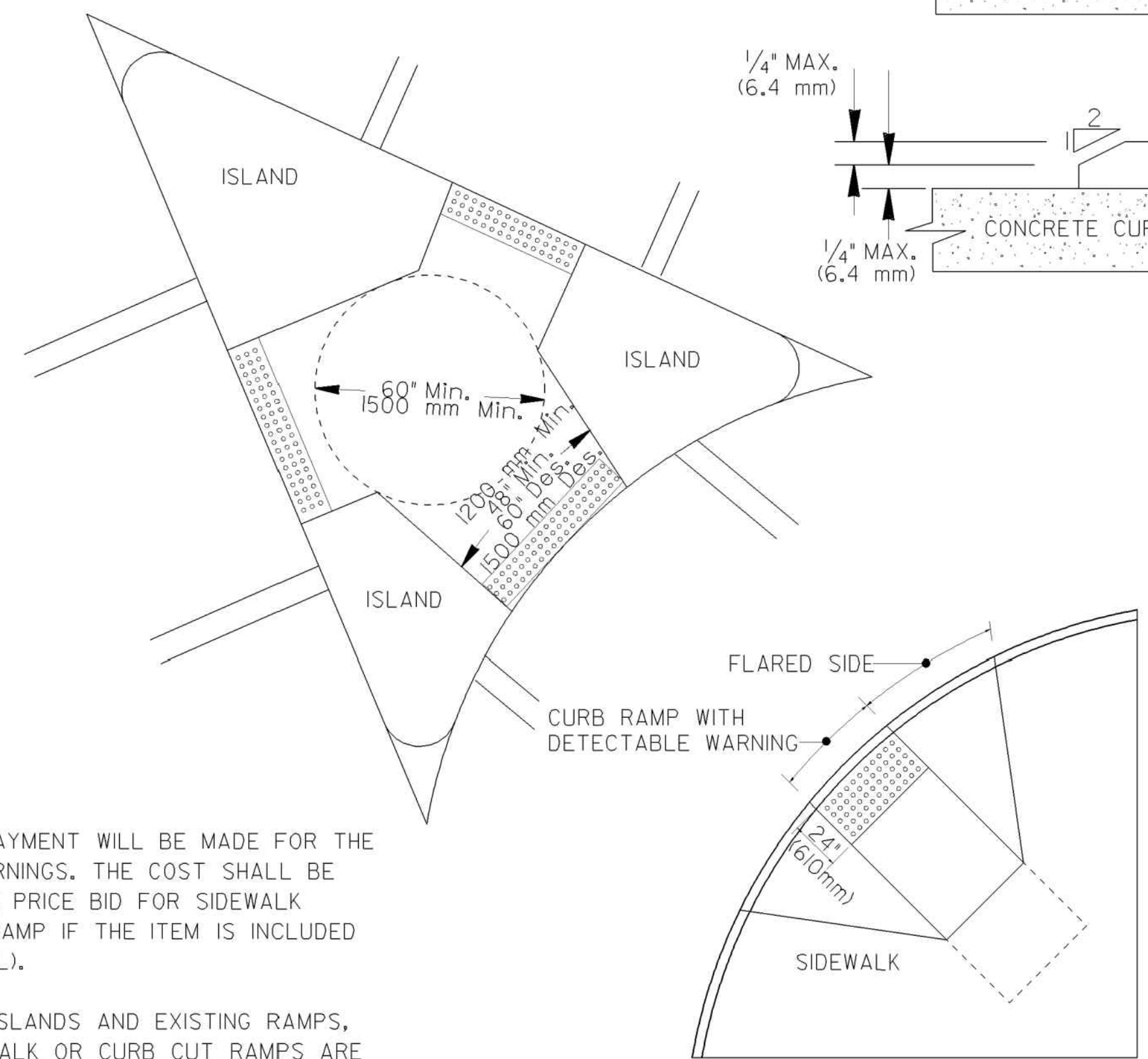
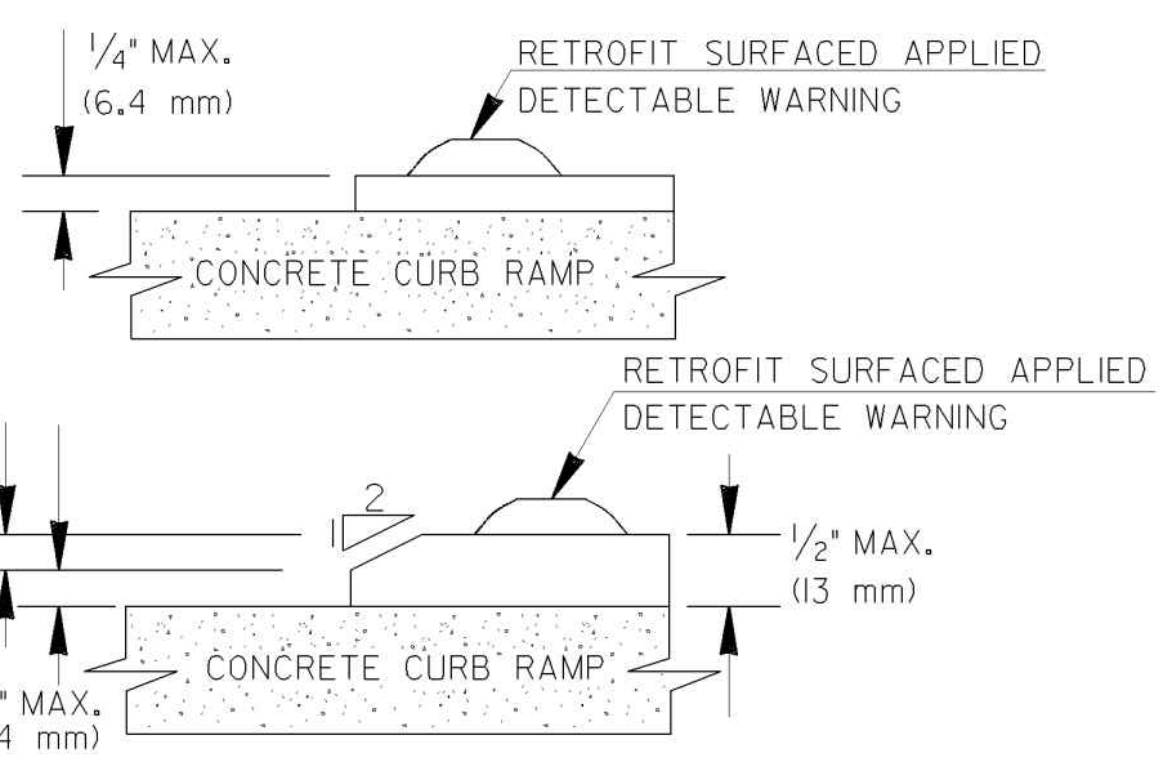
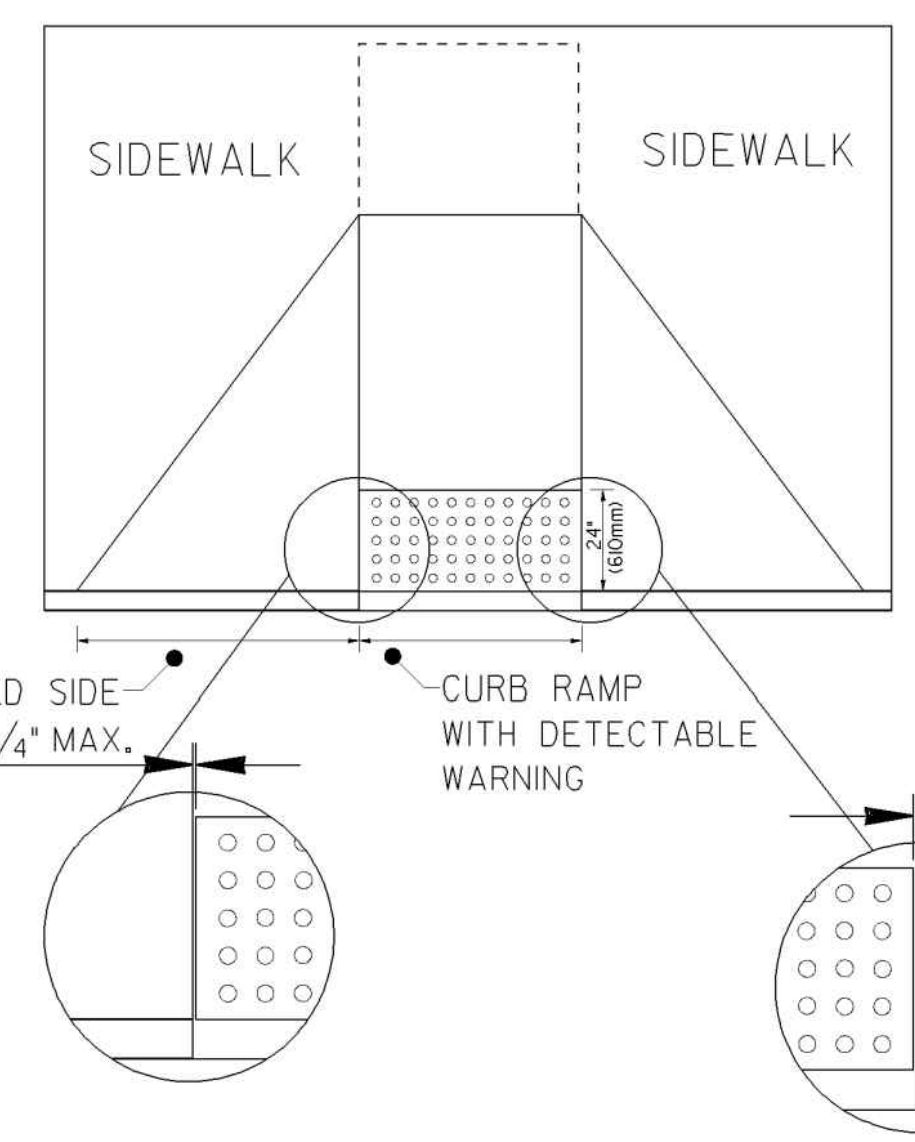
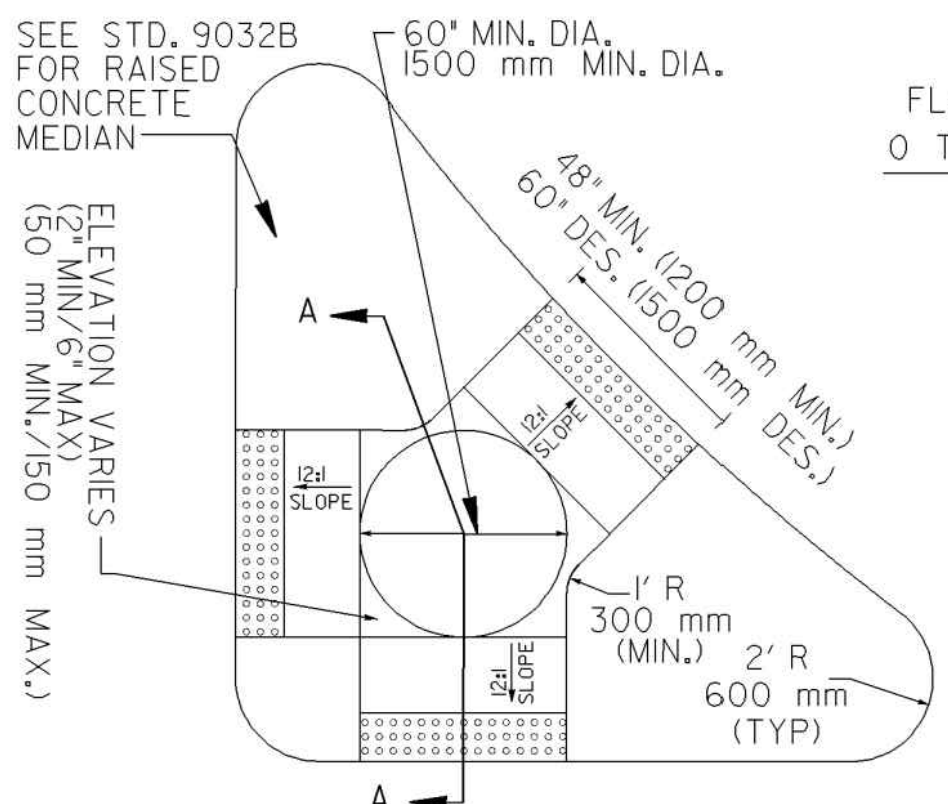
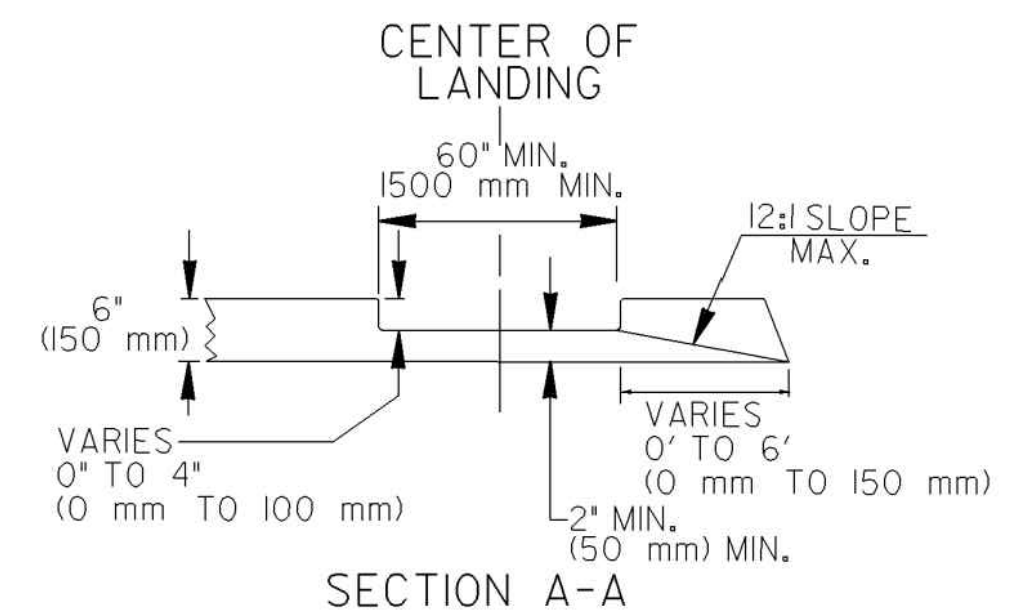
3000 Parkway Lane
Suite 500
Atlanta, GA 30306
Phone 678.387.7740
Fax 678.387.7744

POND
POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-001

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

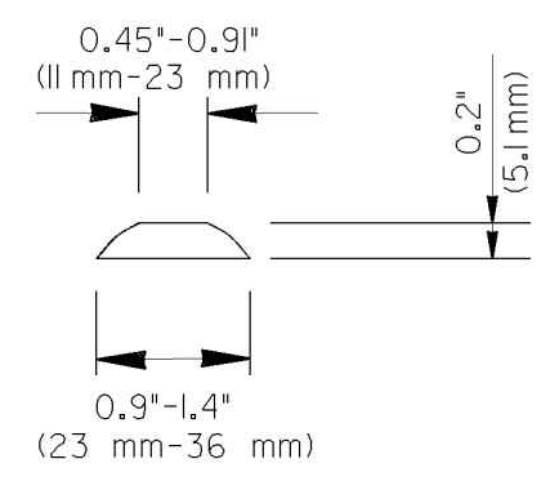


SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRAIN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES (150 mm TO 180mm) FROM THE CURB LINE OR OTHER POTENTIAL HAZARD, SUCH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23mm-36mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.9 INCH (11mm-23mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMETER, A HEIGHT OF 0.2 INCH (5.1mm) AND A CENTER-TO-CENTER SPACING OF 2.40 INCHES (61mm) DESIRABLE 1.60 INCHES (41mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.



MATERIALS:

NEW CONSTRUCTION
THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON OPL 87.

RETIROFIT OF EXISTING RAMPS
SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

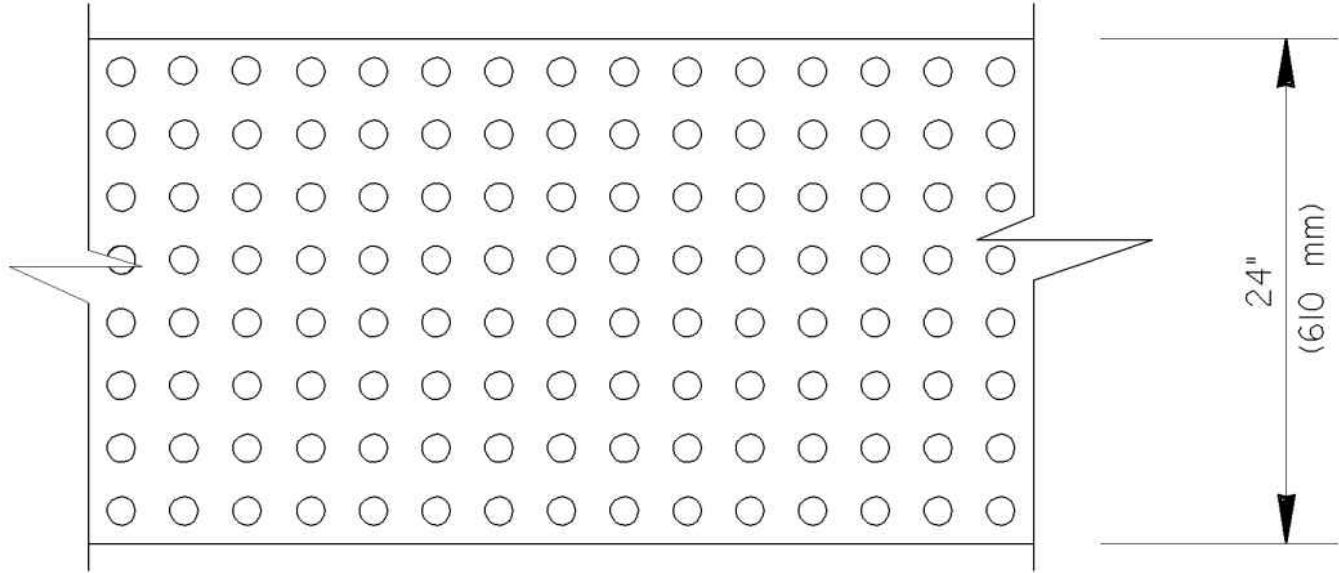
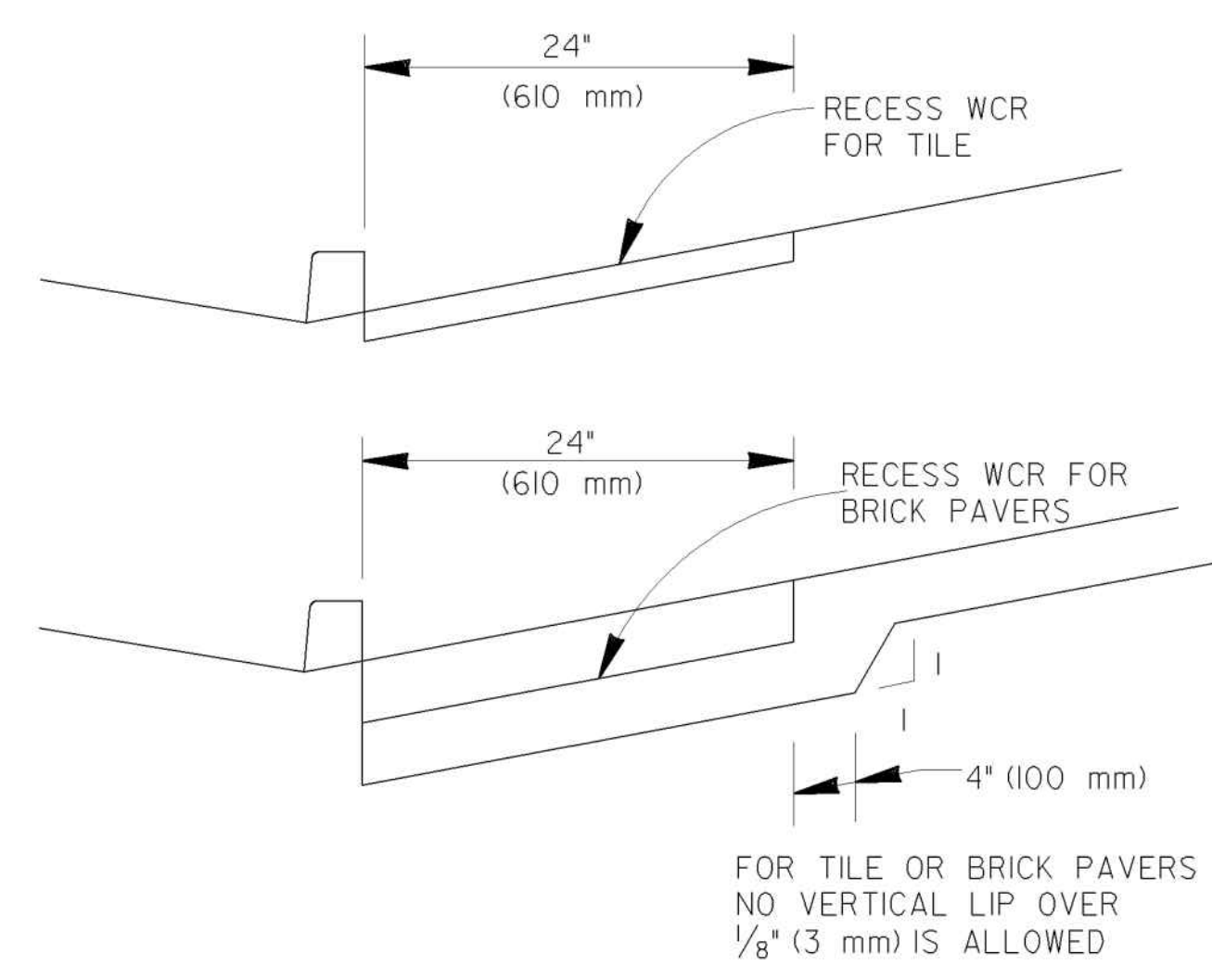
INSTALLATION:
BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS DETAILS OR INSTRUCTION.

GENERAL NOTES:

- RETIROFIT SURFACED APPLIED MATERIALS ONLY:
- CHANGES IN LEVEL OF 1/4" (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
 - CHANGES IN LEVEL BETWEEN 1/4" (6.4 mm) HIGH MINIMUM AND 1/2" (13mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 2:1.



NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK (OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSAL).

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL. THE COST OF THE DETECTABLE WARNINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL

DETECTABLE WARNING SURFACE
TRUNCATED DOME SIZE, SPACING
AND ALIGNMENT REQUIREMENTS

NO SCALE MARCH 12, 2002

6-18-09	ADDED RETIROFIT DETAIL
	AND ADDED ALT. RAMP
	DETAIL AND GEN. NOTES
10-2-06	ADDED TOLERANCE TO DTL.
5-10-06	REVISED TRUNCATED DOMES
	AND NOTES.
11-14-02	REVISED
7-29-02	REVISED
	BY
	REVISION
	DATE

NUMBER
A4

100% SUBMITTAL

100% SUBMITTAL

DATE	DESCRIPTION
10/25/2019	MARK
	APPR.
	DATE

DESIGNED BY: RBJ	DATE: 2/22/2019
DWN BY: SPT	SOLICITATION NO.:
CHK BY: TN	CONTRACT NO.:
SUBMITTED BY:	FILE NUMBER:
FILE NAME: 40-001.dwg	FILE NUMBER: 02/25/2019
SIZE: 22" x 34"	PLOT SCALE: 1" = 1'

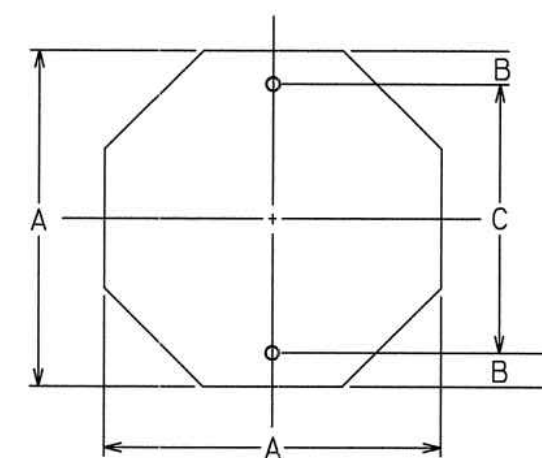
CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane
3006 SUITE 500
Phone 678.387.7740
Fax 678.387.7744

PONCE/CHURCH SIDEWALKS

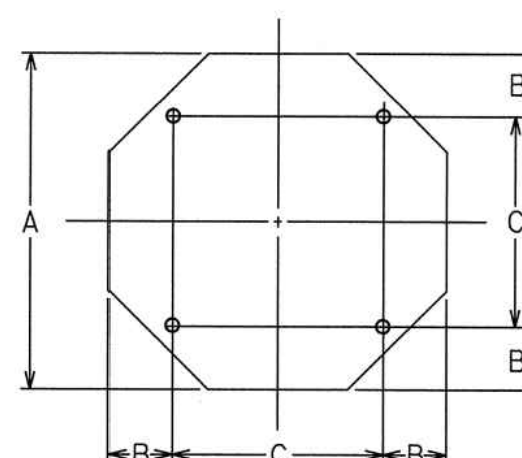
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-002

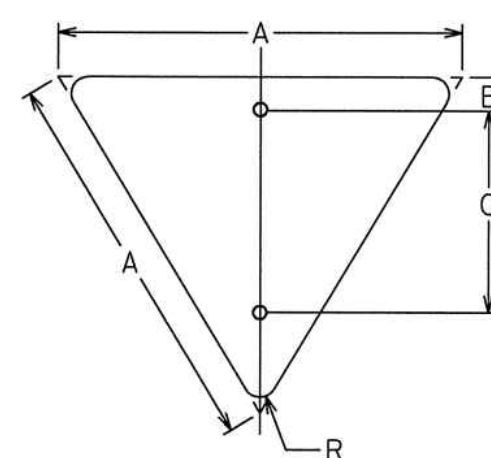


OCTAGON

A	B	C
24	3	18
30	3	24
36	3	30

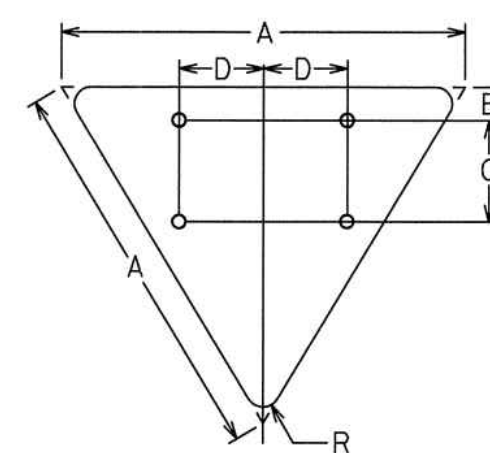


A	B	C
48	9	30

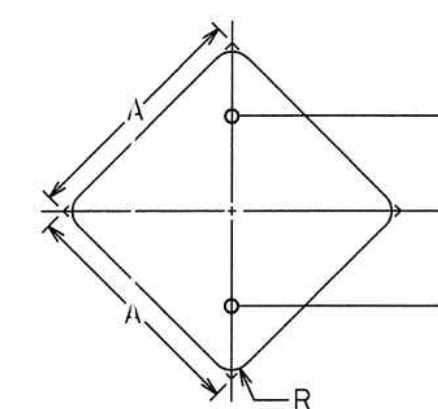


EQUILATERAL TRIANGLE

A	B	C	R
30	3	18	1 1/2
36	3	21	2
48	3	27	3

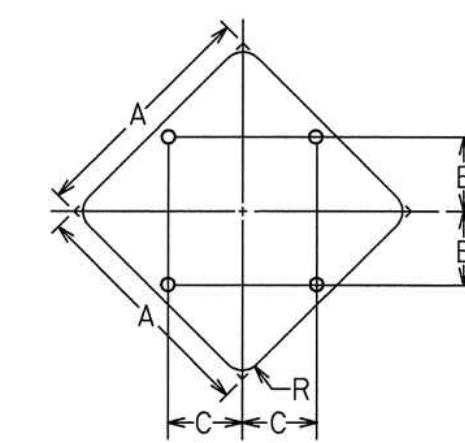


A	B	C	D	R
60	3	18	15	3



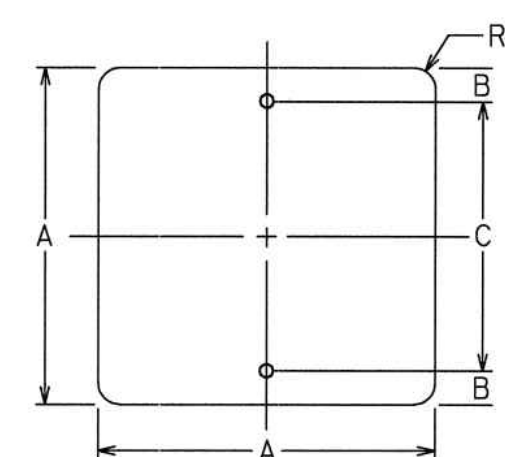
DIAMOND

A	B	R
24	12	1 1/2
30	15	1 7/8
36	18	2 1/4



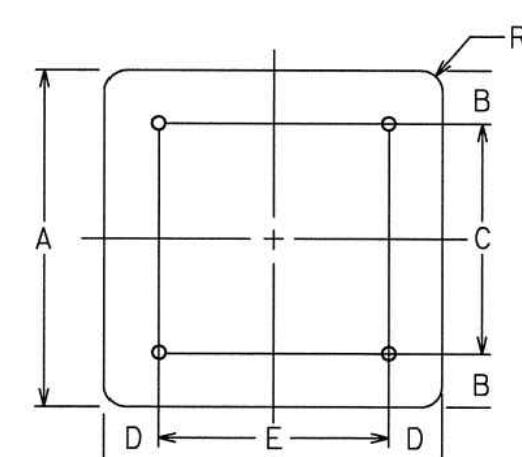
A	B	C	R
36	10	10	2 1/4
48	15	15	3
60	18	18	3 3/4

* FOR TWO POST ERECTION

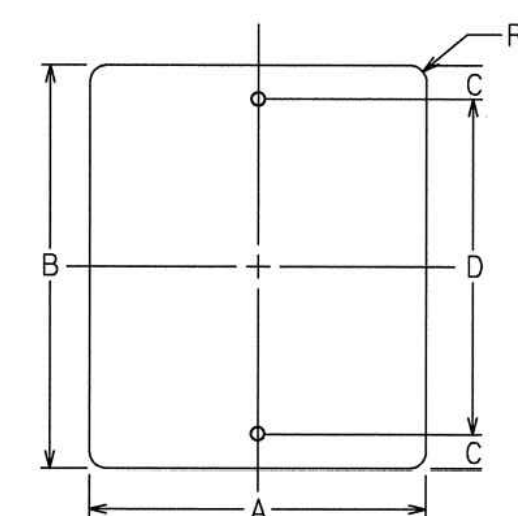


SQUARE

A	B	C	R
18	3	12	1 1/2
24	3	18	1 1/2
30	3	24	1 7/8

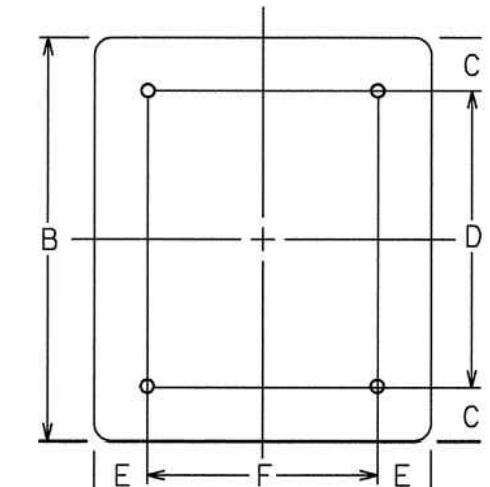


A	B	C	D	E	R
36	6	24	6	24	2 1/4
48	6	36	6	36	3

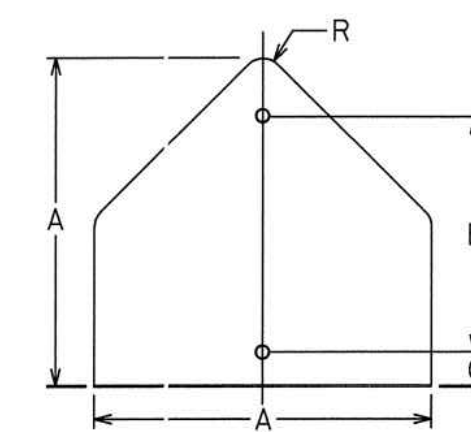


VERTICAL RECTANGLE

A	B	C	D	R
12	18	1 1/2	15	1 1/2
18	24	3	18	1 1/2
24	30	3	24	1 1/2
30	36	3	30	1 7/8

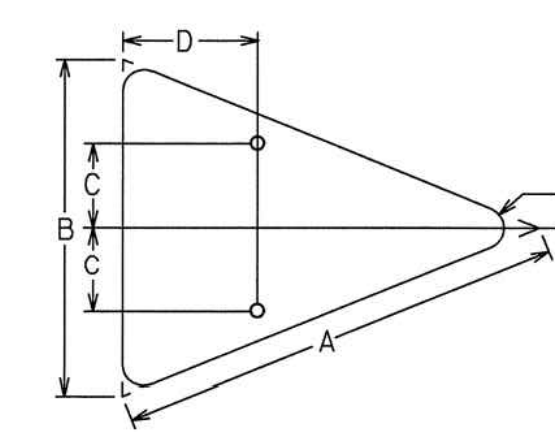


A	B	C	D	E	F	R
36	48	6	36	6	24	2 1/4
48	60	6	48	9	30	3



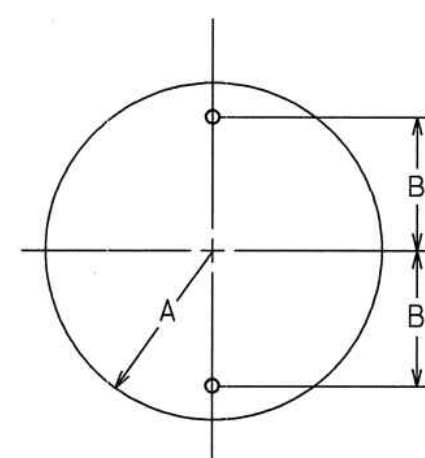
PENTAGON

A	B	C	R
30	21	3	1 7/8
36	24	3	2 1/4



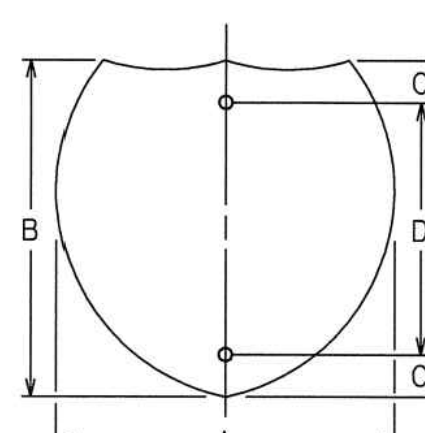
ISOSCELES TRIANGLE

A	B	C	D	R
40	30	7 1/2	12	1 7/8
48	36	9	15	2 1/4



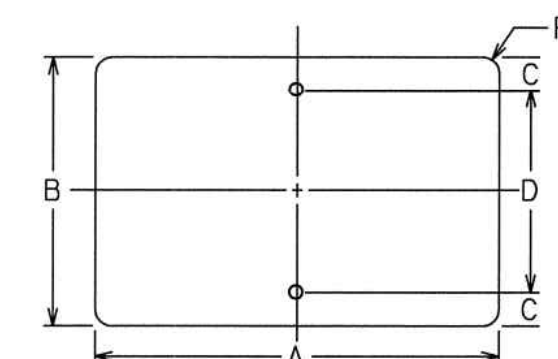
CIRCLE

A	B
15	12
18	15



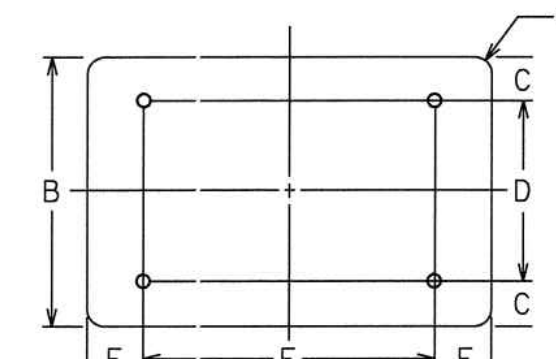
INTERSTATE SHIELD

A	B	C	D
24	24	3	18
30	24	3	18
36	36	6	24
45	36	6	24



HORIZONTAL RECTANGLE

A	B	C	D	R
21	15	1 1/2	12	1 1/2
24	12	1 1/2	9	1 1/2
24	18	3	12	1 1/2
30	15	1 1/2	12	1 1/2
30	24	3	18	1 1/2
36	12	1 1/2	9	1 1/2
36	24	3	18	1 1/2
48	12	1 1/2	9	1 1/2
48	24	3	18	1 7/8



A	B	C	D	E	F	R
48	36	6	24	9	30	2 1/4
60	24	3	18	12	36	1 1/2
60	36	6	24	12	36	2 1/4

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SEAL

DATE	APPR.
1/31/2019	

DESCRIPTION	MARK
100% SUBMITTAL	A

DESIGNED BY:	DATE:	SOLICITATION NO.:
RBJ	2/22/2019	2222019
DRAWN BY:	CAD BY:	CONTRACT NO.:
SPT	TN	
SUBMITTED BY:	FILE NAME:	FILE NUMBER:
	40-001.DWG	
SIZE:	PLOT SCALE:	PLOT DATE:
22" x 34"	1" = 1'	02/25/2019

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane
30008 SUITE 500
Phone 678.398.7740
Fax 678.398.7744

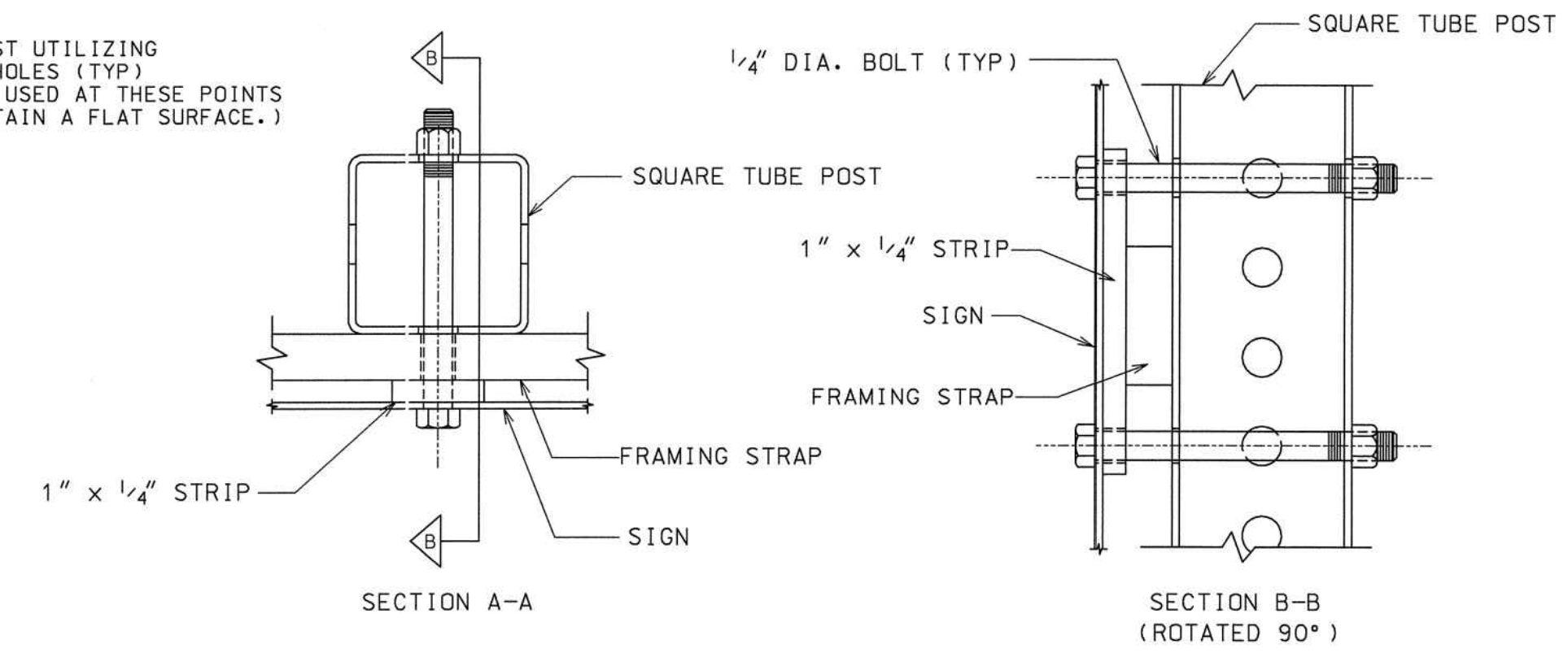
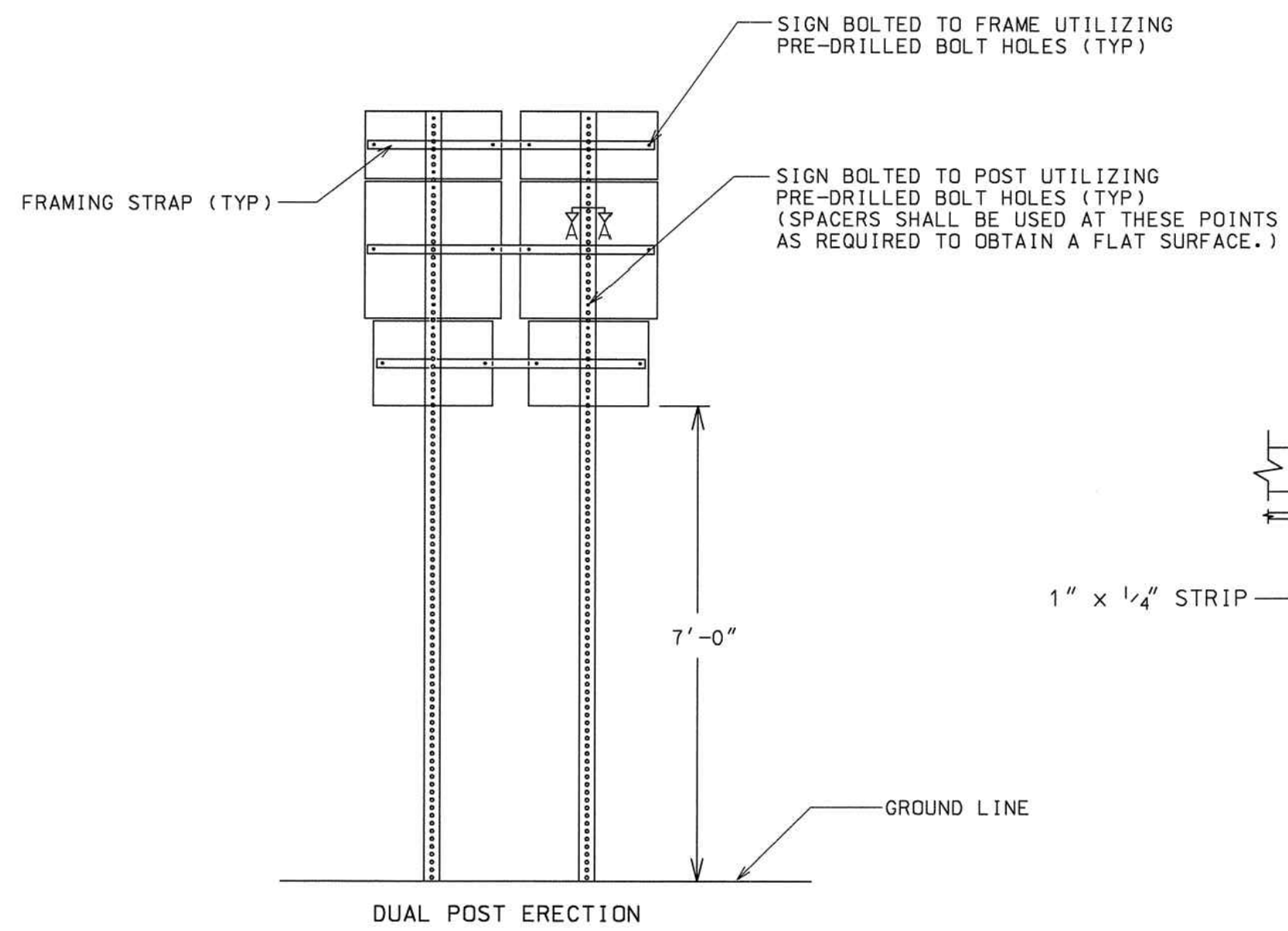
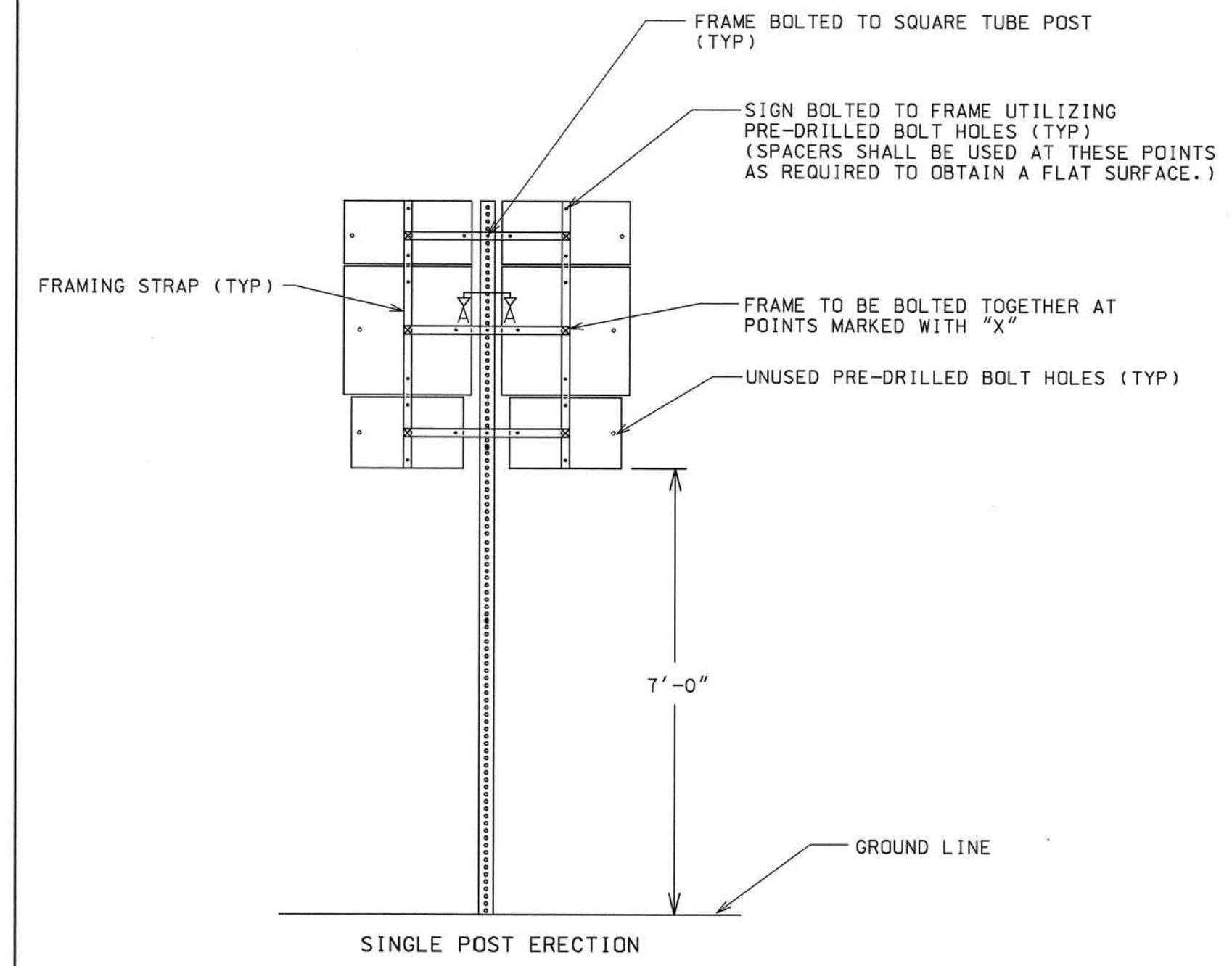
POND PROJECT No.1190154

PONCE/CHURCH SIDEWALKS

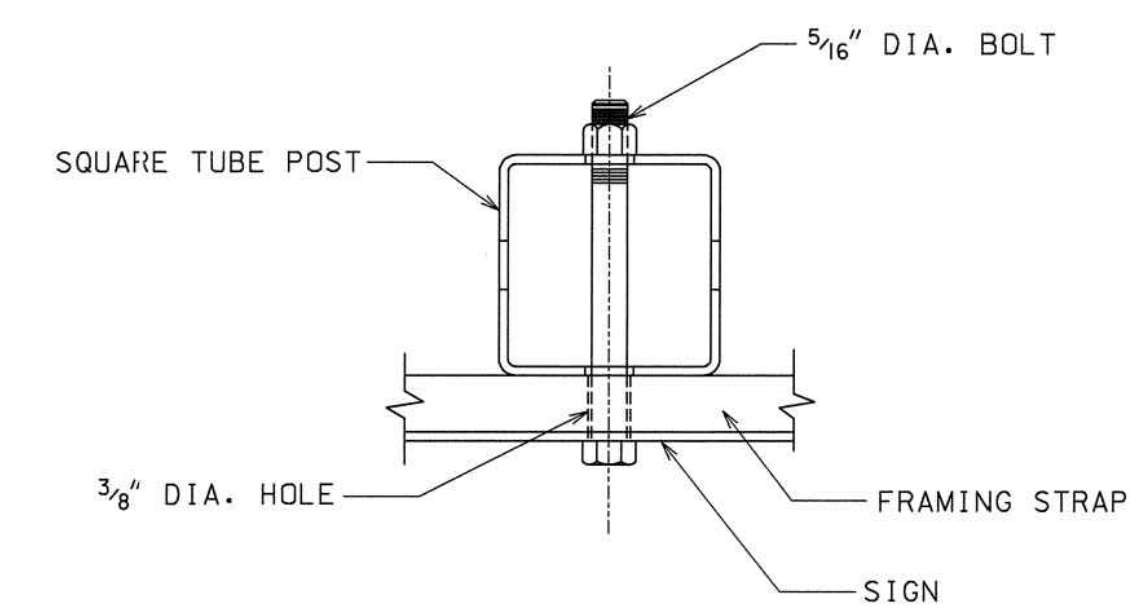
CONSTRUCTION DETAILS

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF SIGN PLATES
		NO SCALE JANUARY 2000

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



OPTION #1 - FRAMING STRAP WITHOUT MOUNTING HOLE
(ALL FRAMING STRAPS SHALL BE 1 1/2" x 1/2" x REQUIRED LENGTH)



OPTION #2 - FRAMING STRAP WITH MOUNTING HOLE
(ALL FRAMING STRAPS SHALL BE 2" x 1/2" x REQUIRED LENGTH)

TYPICAL ASSEMBLY UNIT (BACK VIEW)

- GENERAL NOTES:**
1. STYLE OF FRAMING IS OPTIONAL. ALTERNATE DESIGNS ARE ACCEPTABLE UPON APPROVAL OF THE ENGINEER. FRAME SHALL BE DESIGNED SO AS TO HOLD THE ASSEMBLY IN A FIXED, RIGID POSITION.
 2. FRAMING STRAPS SHALL BE GALVANIZED STEEL OR ALUMINUM.
 3. STEEL SHALL BE A.S.T.M. DESIGNATION A-283, GRADE D, GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-123.
 4. ALUMINUM SHALL BE ALLOY 6061-T6.
 5. BOLTS, NUTS, WASHERS, AND SPACERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
 6. FRAMING STRAPS ON A DUAL POST ERECTION SHALL NOT BE BOLTED TO THE POST.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC OPERATIONS
3/31/00	CHANGED U-CHANNEL POST TO SQUARE TUBE POST	DETAILS FOR TYPICAL FRAMING
		NO SCALE JANUARY 2000

SEAL

10312019	100% SUBMITTAL	DATE	APPR.
A			

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	FILE NUMBER:
DWN BY: SPT	CHK BY: TN	CONTRACT NO.:	3000 Parkway Lane GA 30002 SUITE 500 Phone 678.338.7740 Fax 678.338.7744
SUBMITTED BY:		PILOT SCALE:	22" x 34" 1:1

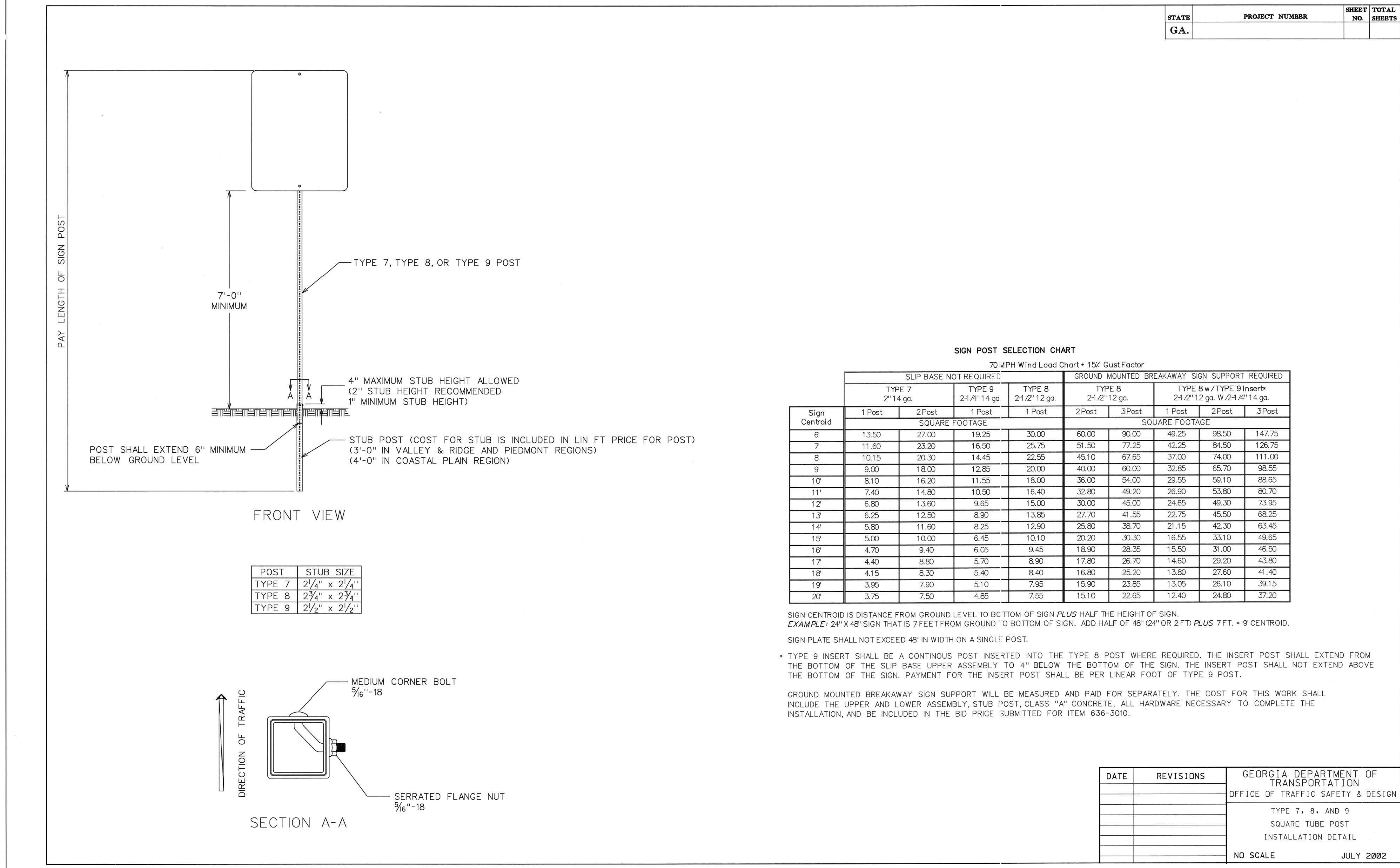
CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS

CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-004



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SIGN POST SELECTION CHART
70 MPH Wind Load Chart + 15% Gust Factor

Sign Centroid	SLIP BASE NOT REQUIRED				GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED				
	TYPE 7 2" 14 ga.		TYPE 9 2-1/4" 14 ga.	TYPE 8 2-1/2" 12 ga.	TYPE 8 2-1/2" 12 ga.		TYPE 8 w/ TYPE 9 Insert 2-1/2" 12 ga. W/2-1/4" 14 ga.		
	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE				SQUARE FOOTAGE				
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN PLUS HALF THE HEIGHT OF SIGN.
 EXAMPLE: 24" X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) PLUS 7 FT. = 9' CENTROID.
 SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.
 TYPE 9 INSERT SHALL BE A CONTINUOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.
 GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

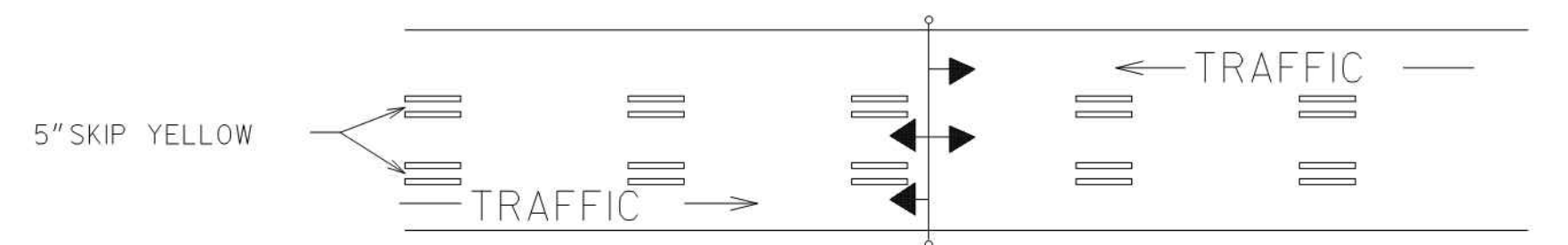
DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN

NO SCALE JULY 2002

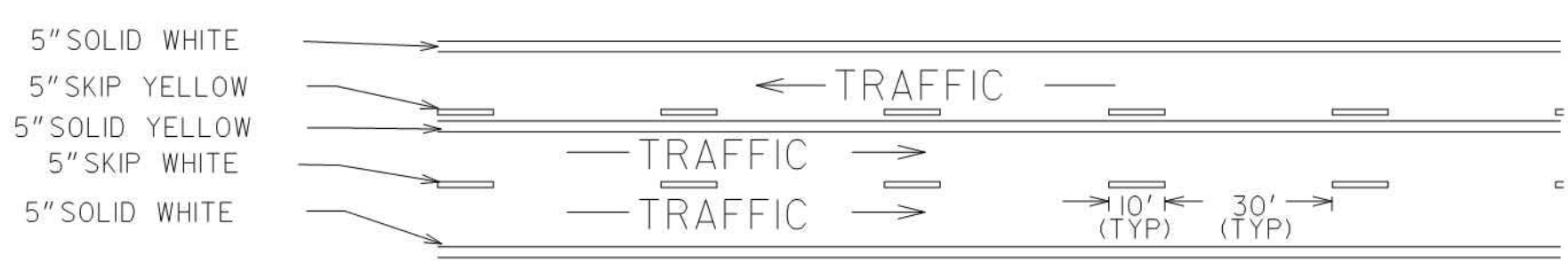
CITY OF CLARKSTON SP/LOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK POND <small>3000 Parkway Lane GA 30056 SUITE 500 Phone 678.387.7740 Fax 678.387.7744</small>	DESIGNED BY: RBJ DATE: 2/22/2019 DWN BY: SPT CHK BY: JTN SUBMITTED BY: 40-001 DWG FILE NAME: SIZE: 22" x 34" PLOT SCALE: 1" = 11'
100% SUBMITTAL 1/31/2019 MARK DESCRIPTION DATE APPR.	SEAL 100% DRAWINGS
POUNCE/CHURCH SIDEWALKS CONSTRUCTION DETAILS	SHEET IDENTIFICATION NUMBER 40-005

FILE PATH: \\S:\MTC\BLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY

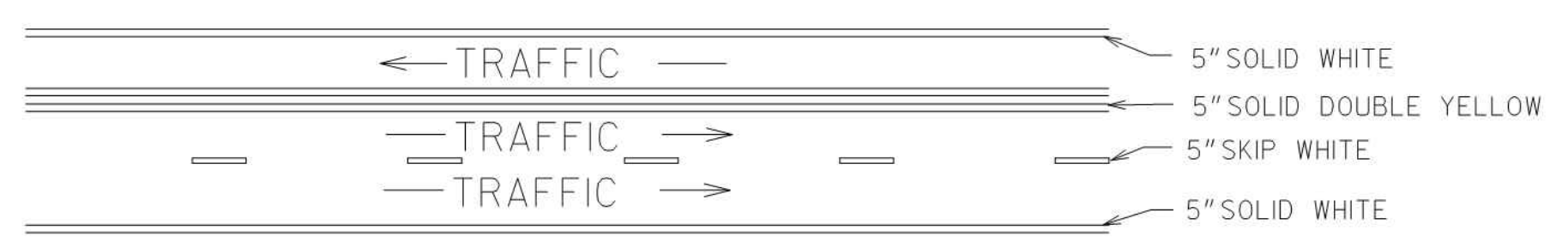
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



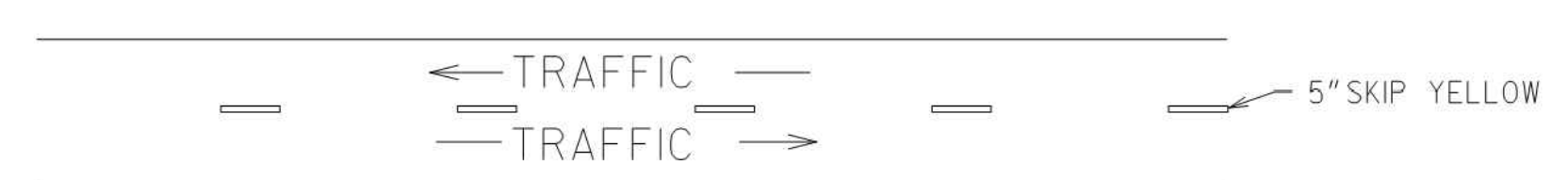
REVERSIBLE LANE SIGN OR SIGNAL SYSTEM REQUIRED
TWO-WAY TRAFFIC WITH A REVERSIBLE CENTER LANE



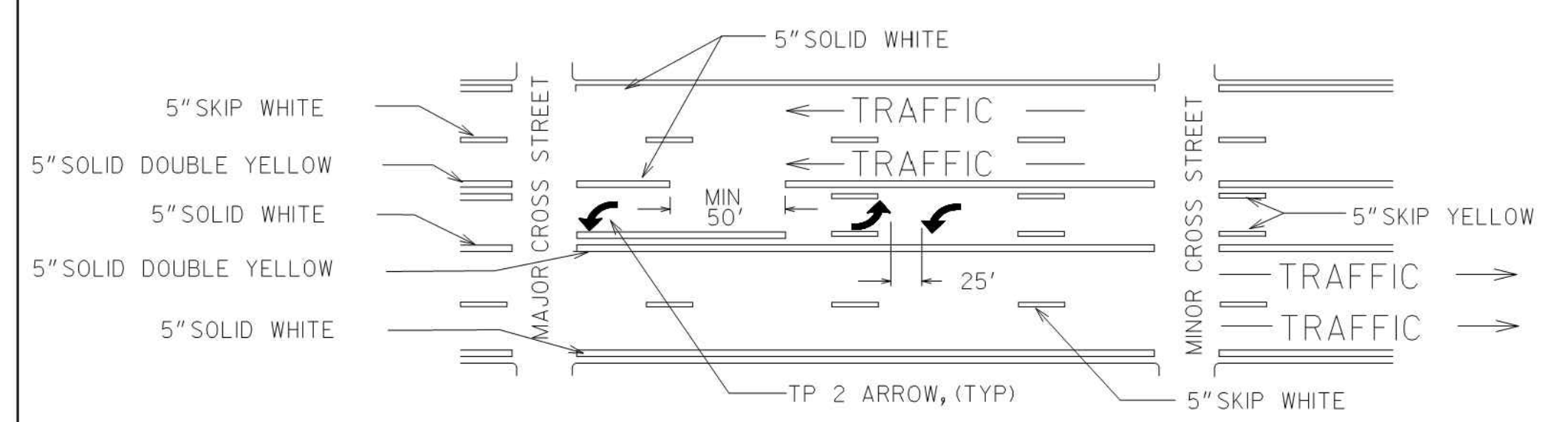
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE PERMITTED TO PASS



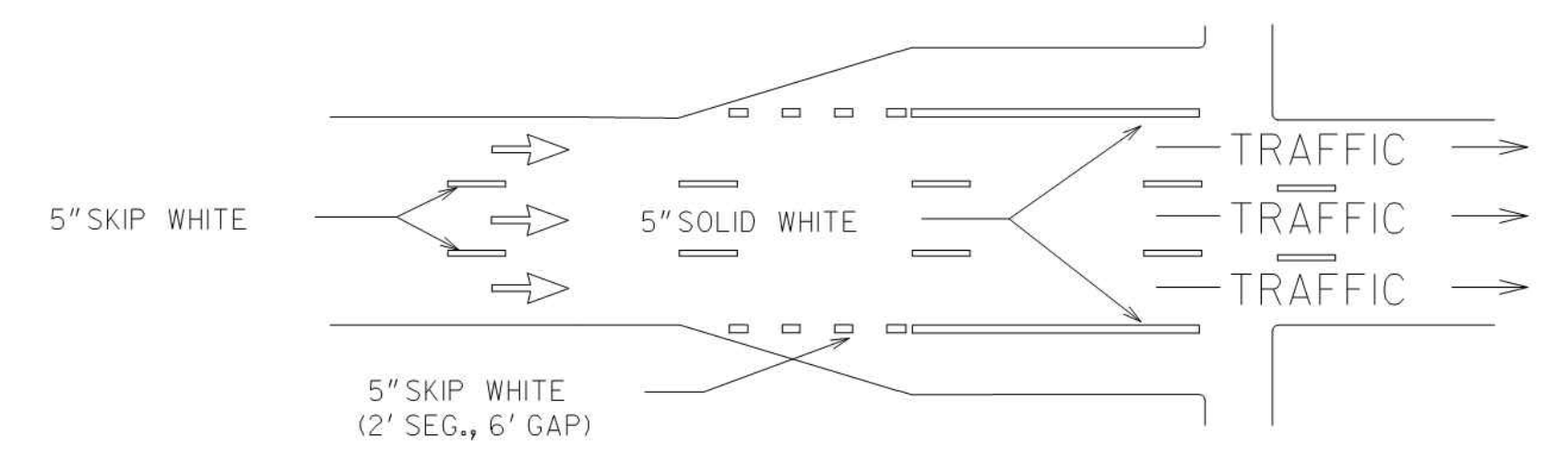
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE NOT PERMITTED TO PASS



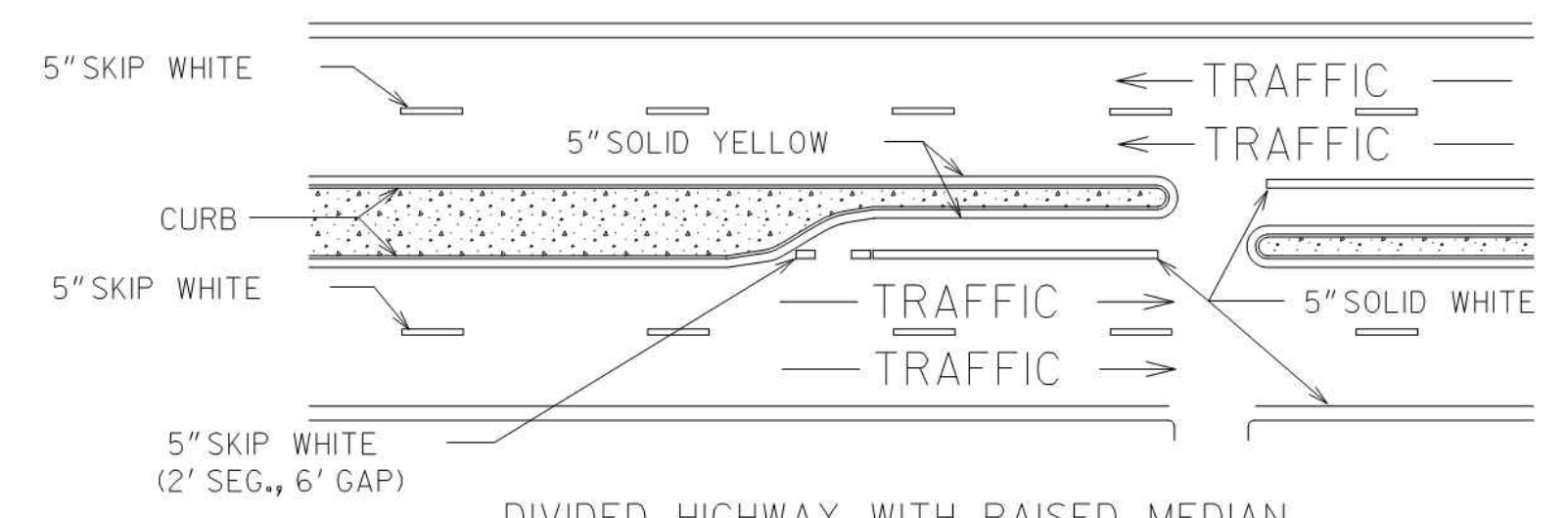
TWO-LANE, TWO-WAY TRAFFIC WITH PASSING PERMITTED



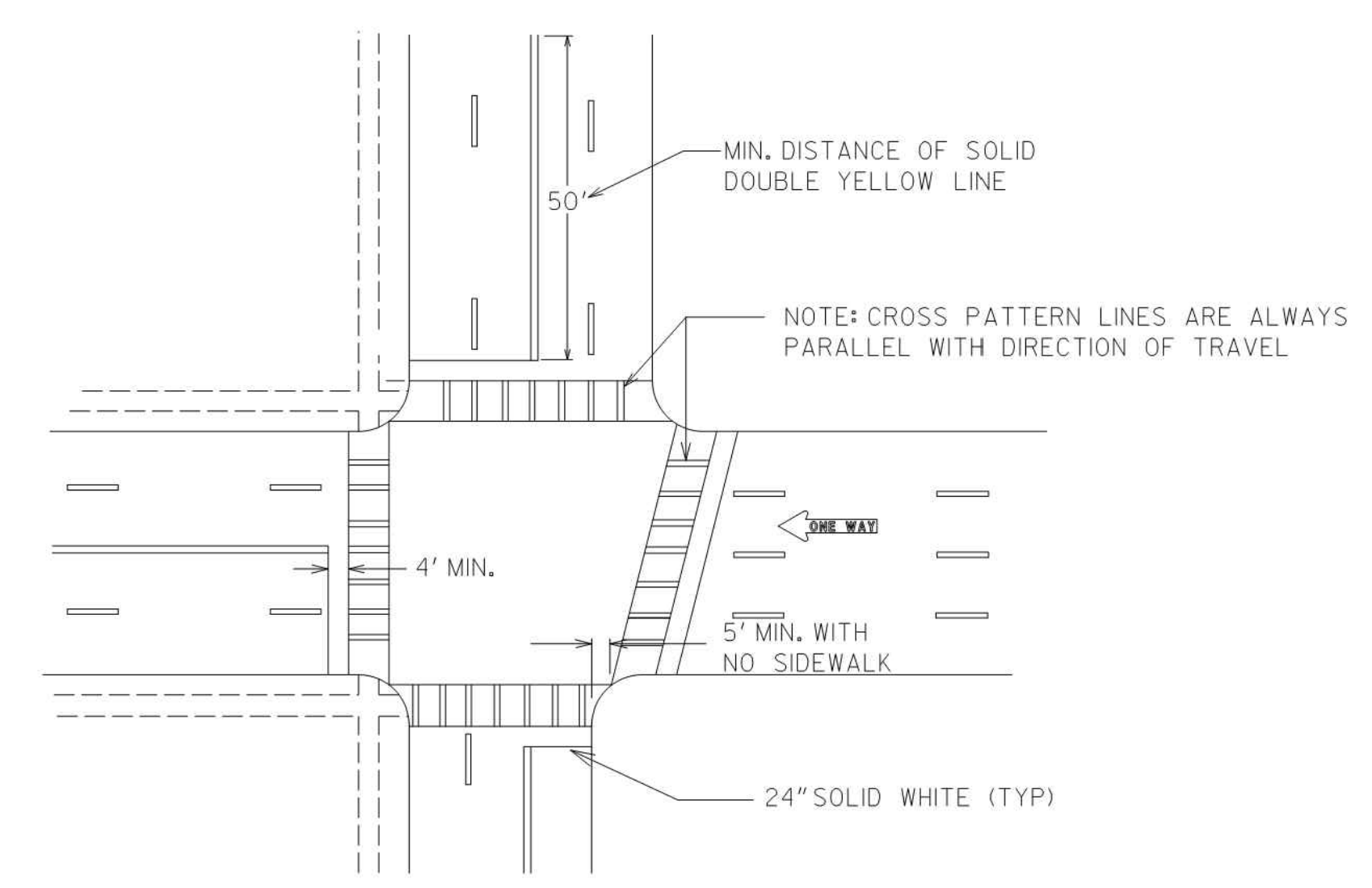
MULTI-LANE, TWO-WAY TRAFFIC WITH SINGLE LANE, TWO-WAY LEFT TURN CHANNELIZATION



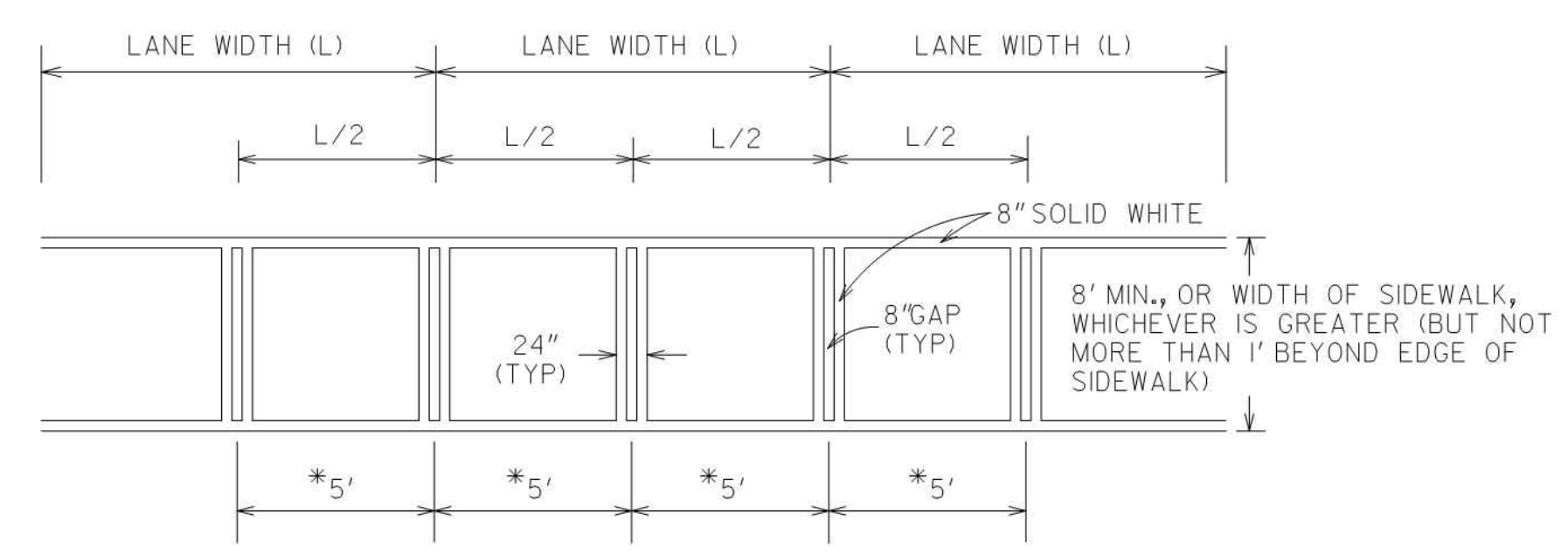
ONE-WAY TRAFFIC WITH ADDED TURN LANES



DIVIDED HIGHWAY WITH RAISED MEDIAN



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED

CROSSWALK DETAIL

GENERAL NOTES:

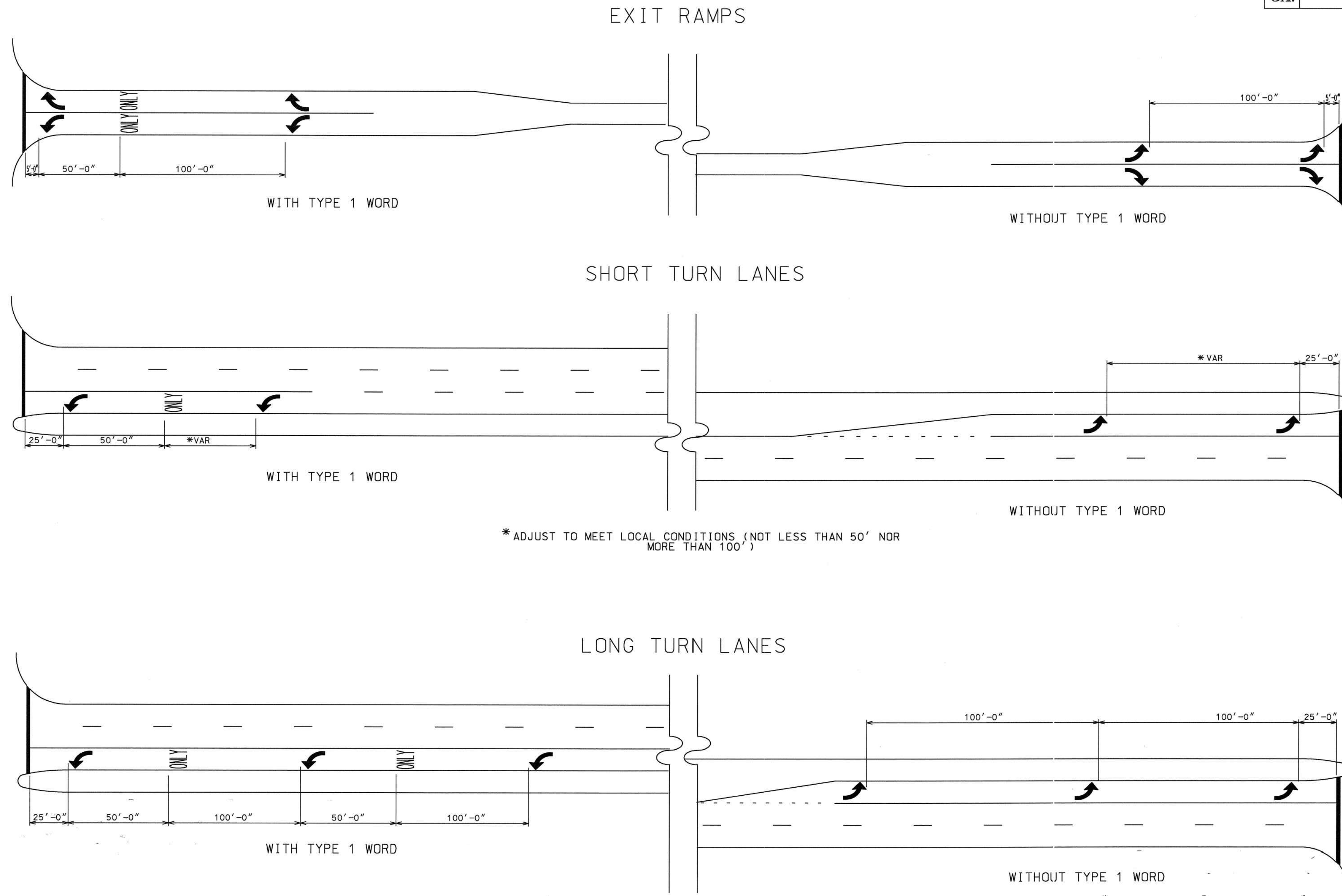
1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-IIA.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAILS PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY	
NO SCALE	JANUARY 2000
DESIGNED _____	NUMBER
DRAWN _____	T-IIA
TRACED _____	
CHECKED _____	

10312019	100% SUBMITTAL	DATE	APPR.	MARK	DESCRIPTION
A					

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/25/2019
DWN BY: JTN	CRD BY: JTN			FILE NAME: 40-001.dwg	PLOT SCALE: 22" x 34" 1:1
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK 3000 Parkway Lane GA 30092 SUITE 500 Phone 678.388.7740 POND PROJECT No. 1190154 Fax 678.388.7744					
PONCE/CHURCH SIDEWALKS CONSTRUCTION DETAILS					
SHEET IDENTIFICATION NUMBER 40-006					

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



GENERAL NOTES:

1. SPACING OF TYPE 2 ARROW IS REPRESENTATIVE OF SPACING FOR TYPE 1, TYPE 3, TYPE 4, & TYPE 5 ARROWS.
2. ALL TURNING LANES SHALL HAVE A MINIMUM OF 2 ARROWS.
3. GROUND MOUNTED OR OVERHEAD SIGNING SHALL BE SUPPLEMENTED BY TYPE 1 WORD.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF PAVEMENT MARKING
ARROW LOCATION

NO SCALE JANUARY 2000

T-12A

SEAL

1/31/2019	100% SUBMITTAL	MARK	DATE	APPR.
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DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.: 40-001	CONTRACT NO.:	FILE NUMBER: 02252019
DWN BY: JTN	CHK BY: JTN	SUBMITTED BY: 40-001.DWG	FILE NAME: 22' x 34'	PLOT SCALE: 1" = 11'

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane GA
30006 SUITE 500
Phone 678.389.7740
Fax 678.389.7744
POND PROJECT No. 1190154

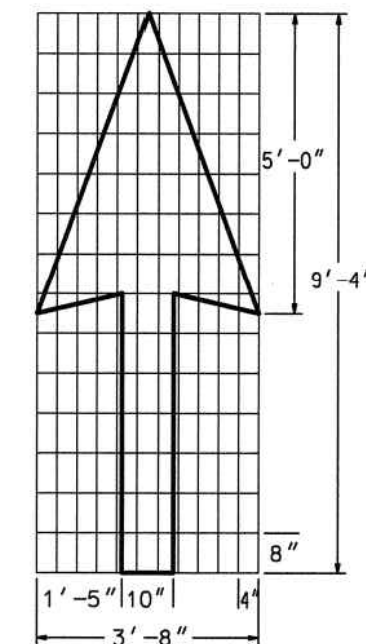
PONCE/CHURCH SIDEWALKS

CONSTRUCTION DETAILS

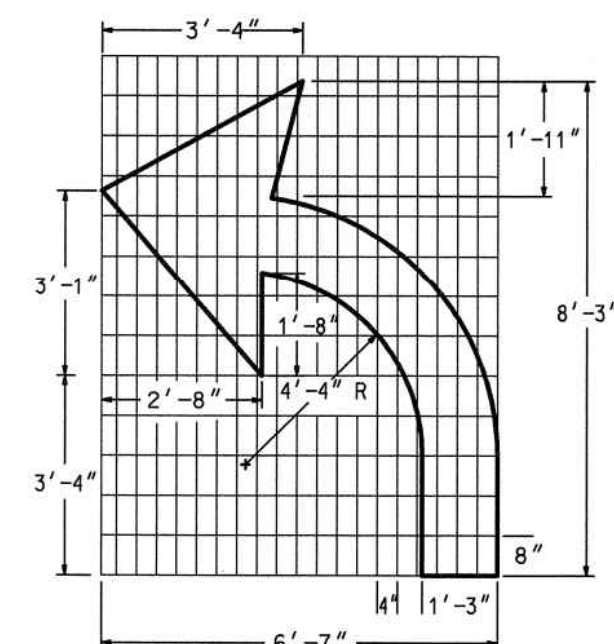
SHEET IDENTIFICATION NUMBER
40-007

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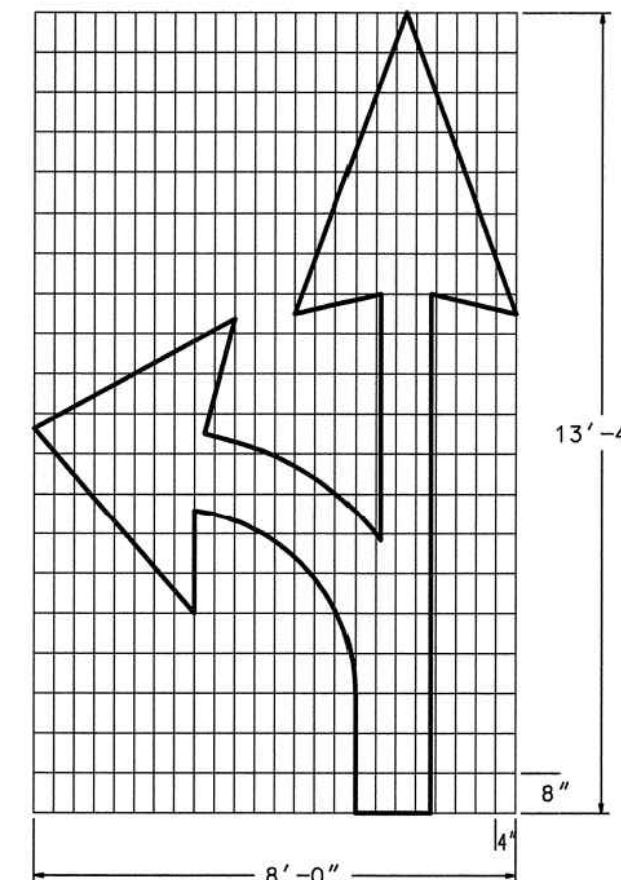
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



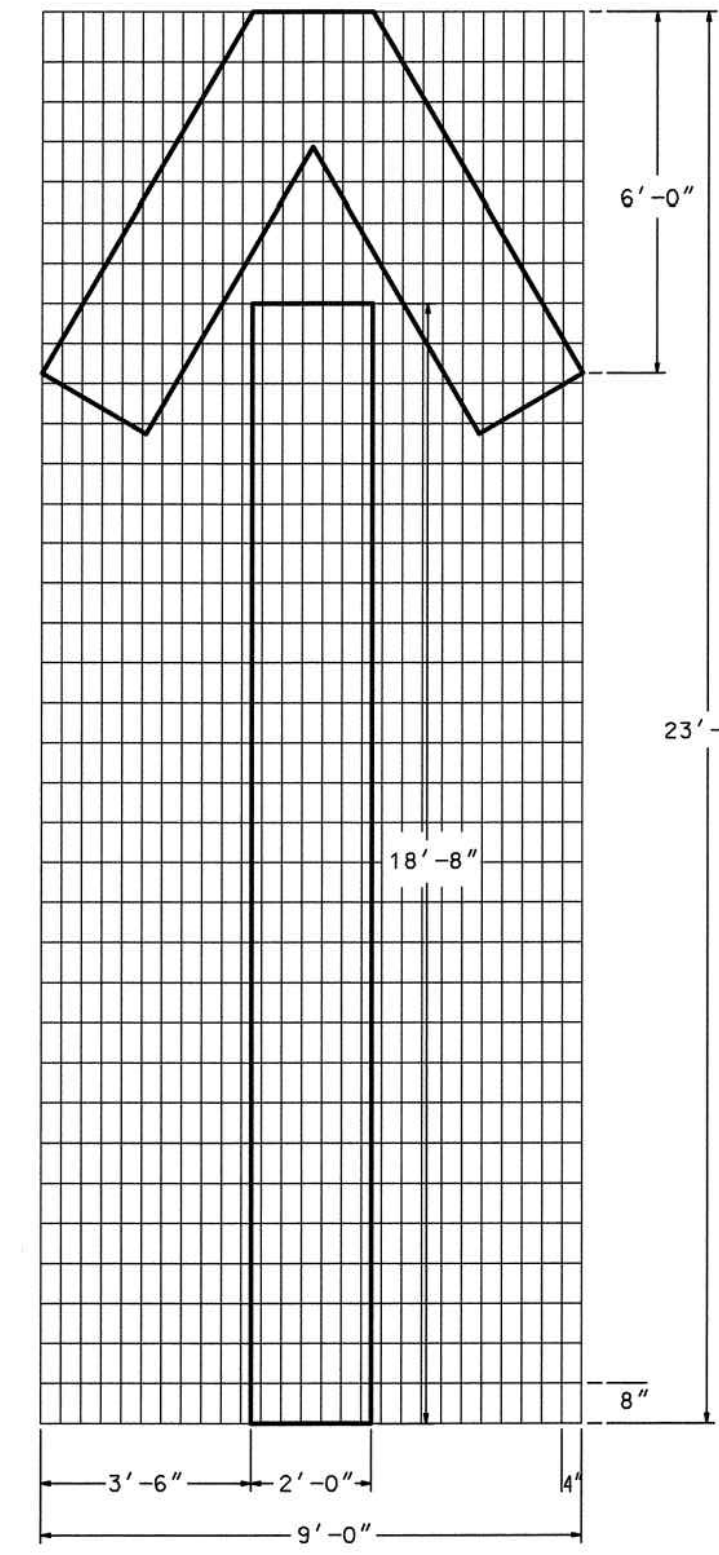
PAVEMENT MARKING, ARROW, TYPE 1
WHITE
(12.0 SQ. FT.)



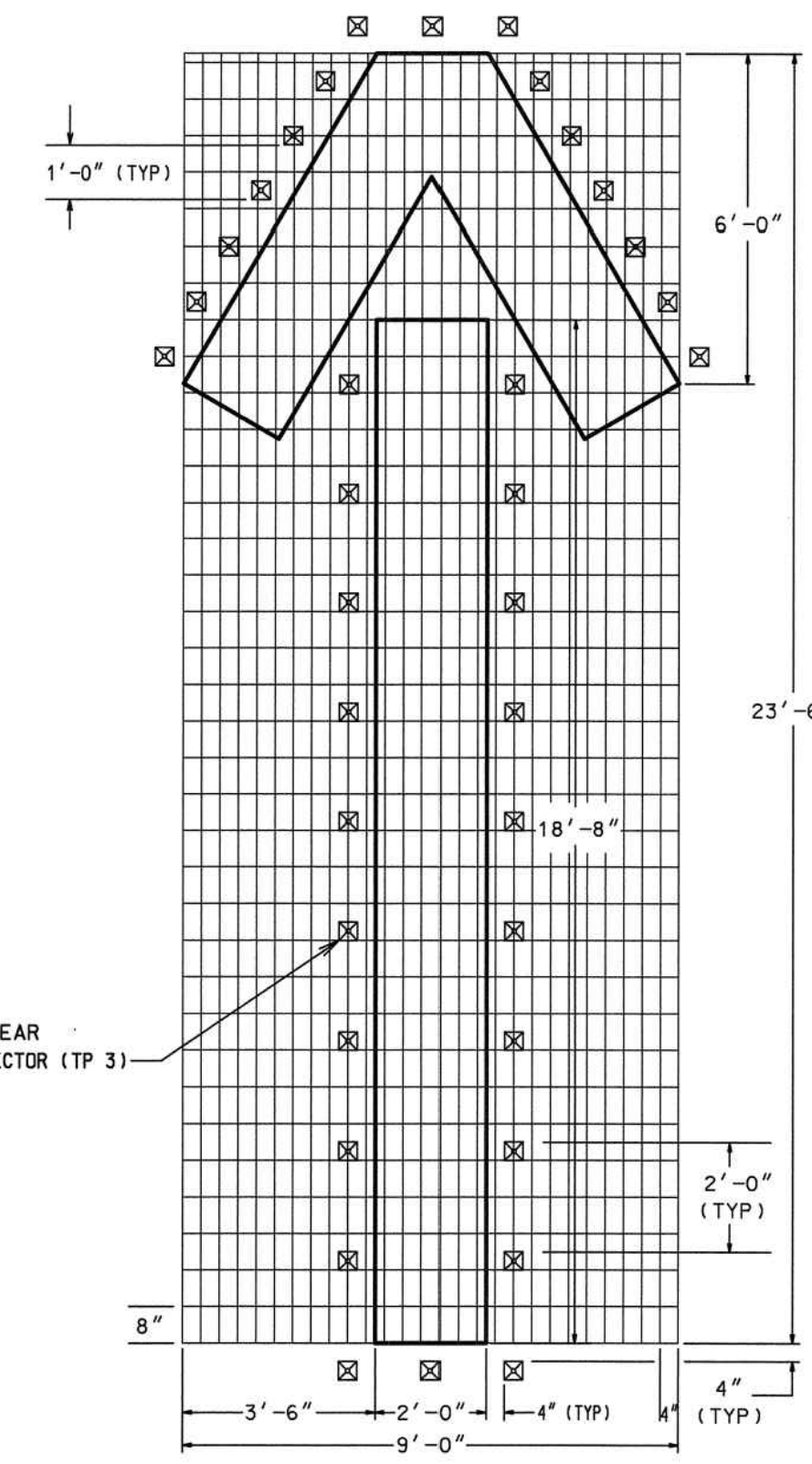
PAVEMENT MARKING, ARROW, TYPE 2
WHITE
(16.0 SQ. FT.)



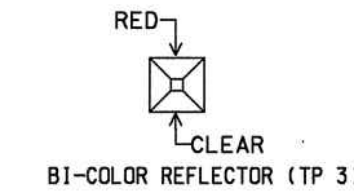
PAVEMENT MARKING, ARROW, TYPE 3
WHITE
(28.5 SQ. FT.)



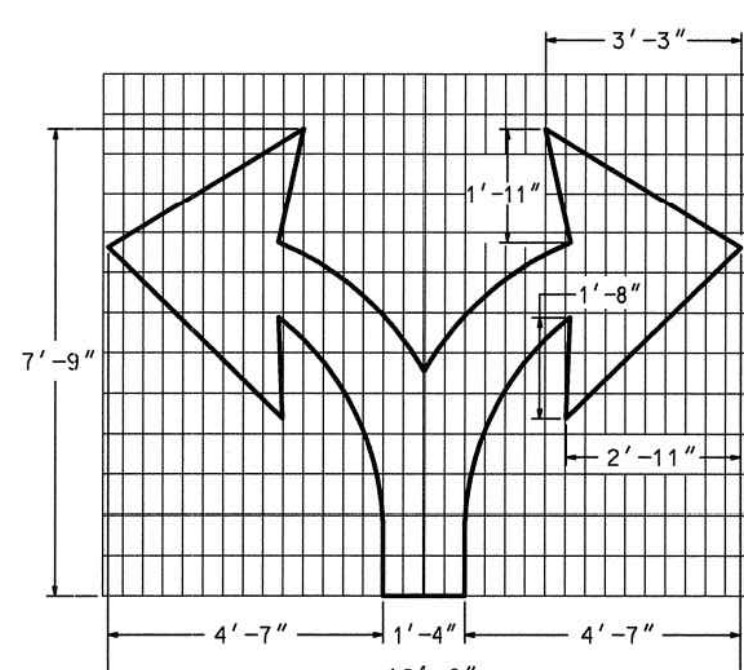
PAVEMENT MARKING, ARROW, TYPE 4
WHITE
(64.5 SQ. FT.)



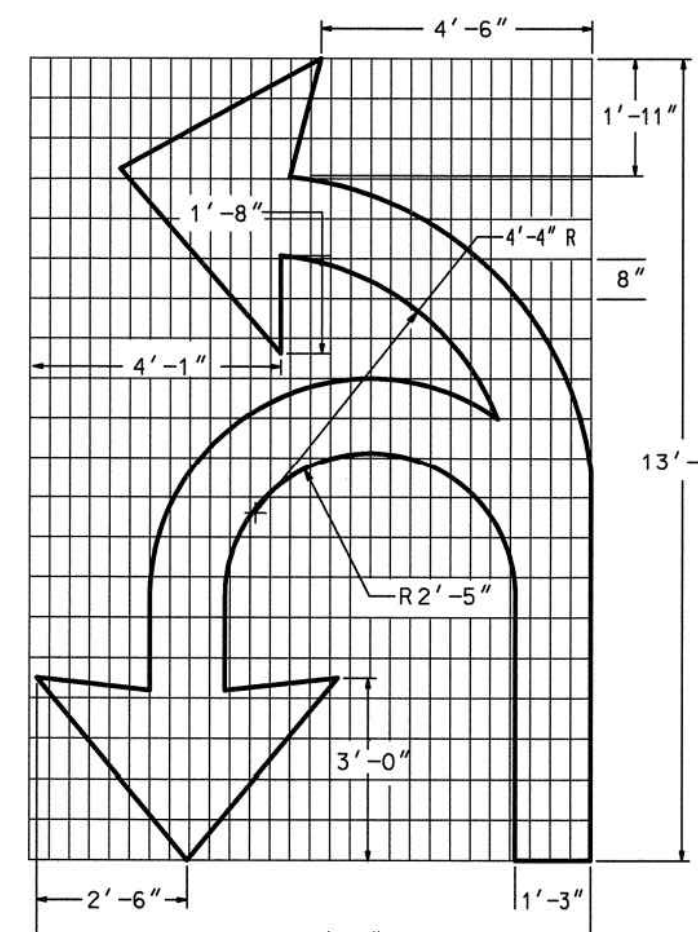
PAVEMENT MARKING, ARROW, WRONG WAY
WHITE
(64.5 SQ. FT.)



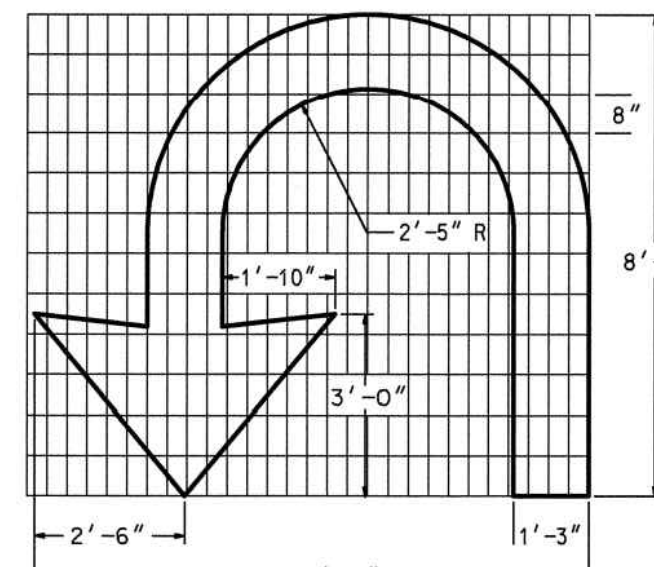
ARROW- WHITE REFLECTORIZED PAINT THERMOPLASTIC, AS SPECIFIED BY GEORGIA STANDARD SPECIFICATIONS, SECTION 655.



PAVEMENT MARKING, ARROW, TYPE 5
WHITE
(25.5 SQ. FT.)



PAVEMENT MARKING, ARROW, TYPE 6
WHITE
(42.0 SQ. FT.)



PAVEMENT MARKING, ARROW, TYPE 7
WHITE
(26.0 SQ. FT.)

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
4-11-00	CHANGED LOCATION OF RPMS ON WRONG WAY ARROW	

DETAILS OF
PAVEMENT MARKINGS-ARROWS
NO SCALE
JANUARY 2000

T-12B

SEAL

DATE	DESCRIPTION	MARK	APPR.
1/31/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE:
DWN BY: SPT	CKD BY: TN			40-001 DWG	02/25/2019
SUBMITTED BY:				SIZE: 22" x 34"	PLOT SCALE: 1" = 1'

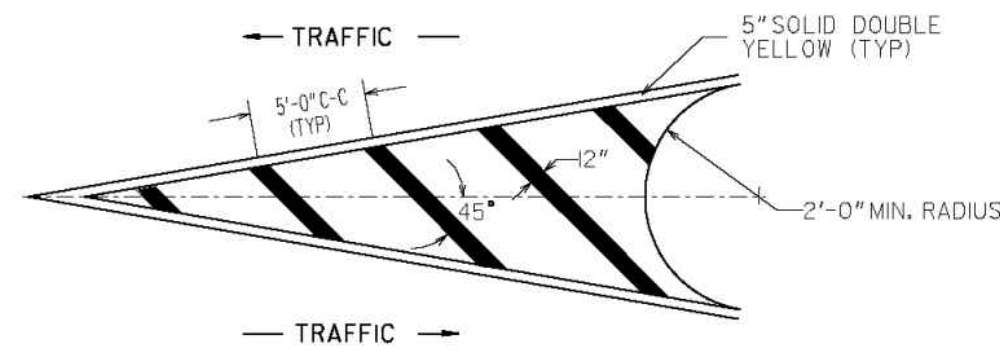
CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK
POND
3000 Parkway Lane GA
30056 SUITE 500
Phone 678.338.7740
Fax 678.338.7744
POND PROJECT No.1190154

PONCE/CHURCH SIDEWALKS
CONSTRUCTION DETAILS

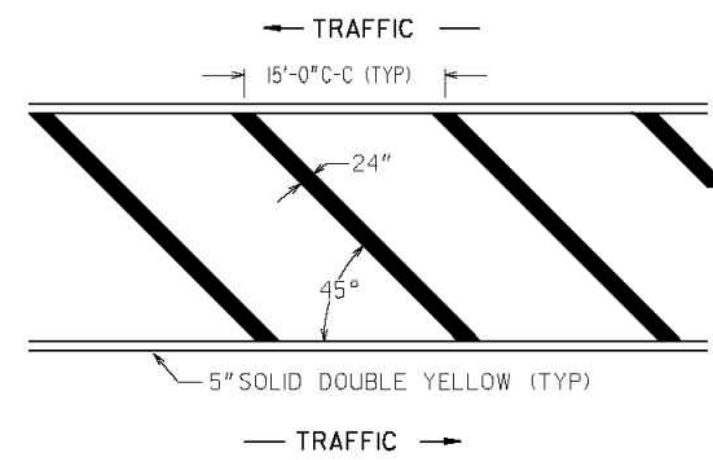
SHEET IDENTIFICATION NUMBER
40-008

100% DRAWINGS

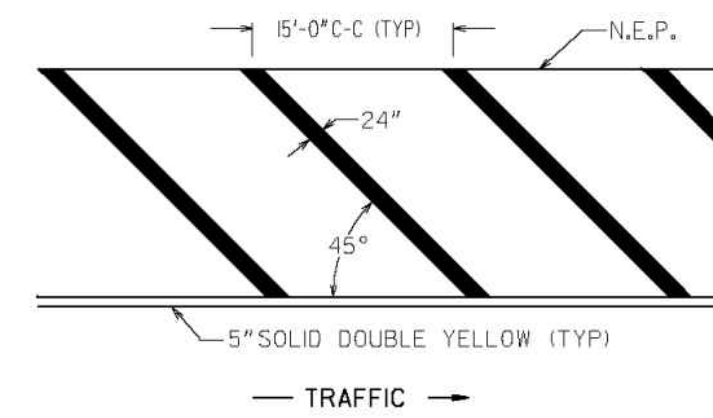
DETAIL "A" (YELLOW)



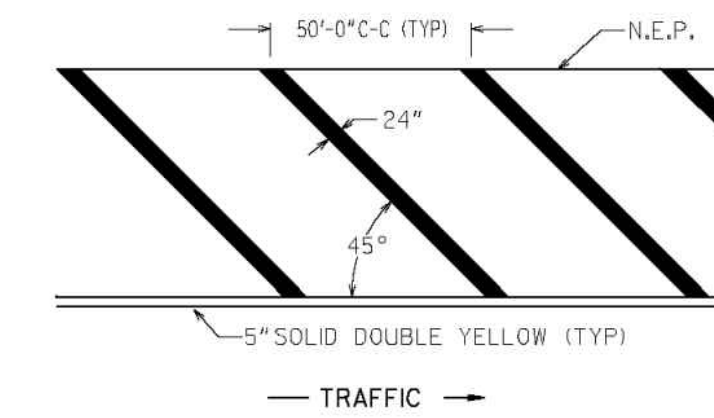
DETAIL "B" (YELLOW)



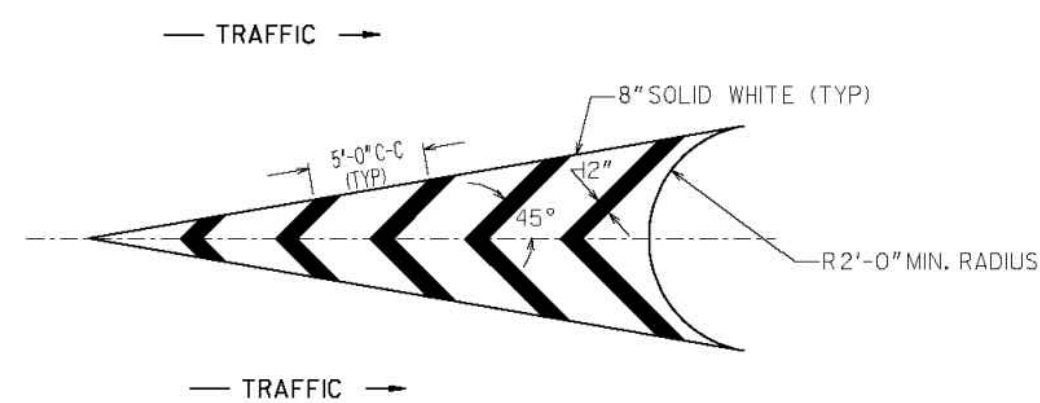
DETAIL "C" (YELLOW)



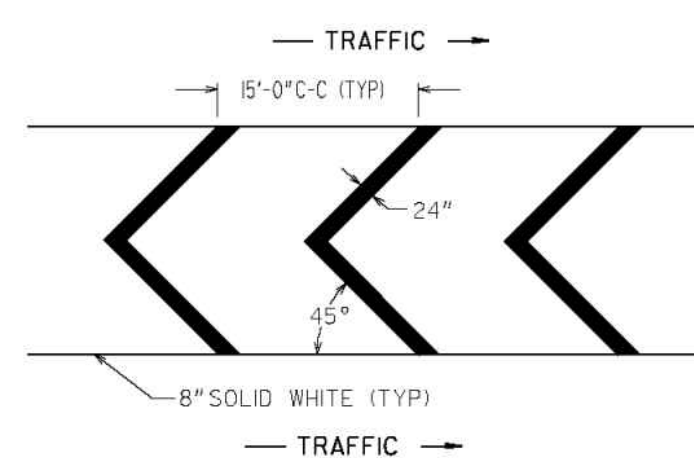
DETAIL "D" (YELLOW)



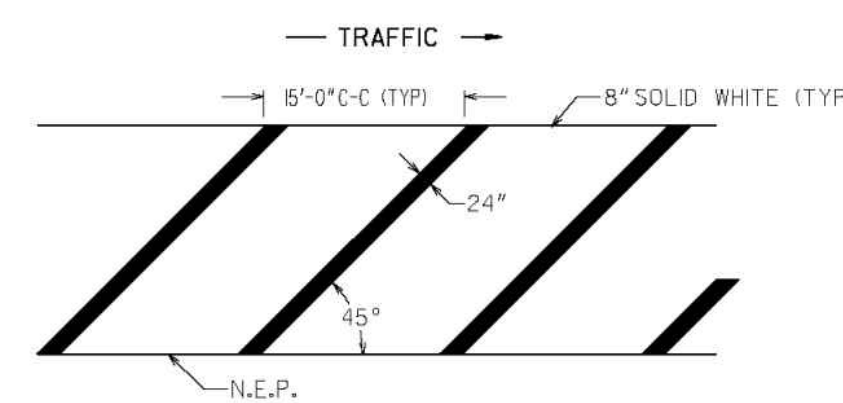
DETAIL "A" (WHITE)



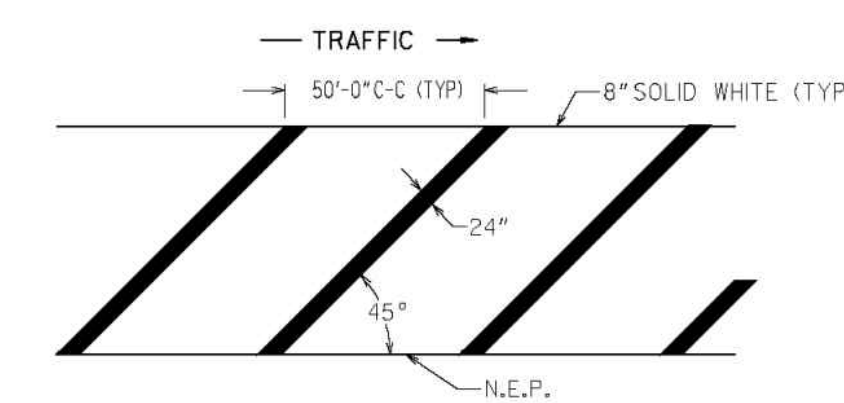
DETAIL "B" (WHITE)



DETAIL "C" (WHITE)



DETAIL "D" (WHITE)



GENERAL NOTES:

1. FOR YELLOW STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 5" SOLID DOUBLE YELLOW BORDER.
2. FOR WHITE STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 8" SOLID WHITE BORDER.

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

- NO SCALE -

DATE	REVISIONS
6/25/04	Modified general note 1
1/18/05	CHANGED BORDER
11/21/08	Modified general note 1

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC OPERATIONS
SIGNING AND MARKING PLANS

DETAIL OF PAVEMENT MARKING
HATCHING

JANUARY 2000
NUMBER T-14

PONCE/CHURCH SIDEWALKS

CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-009

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
POND PROJECT No. 1190154

3000 Parkway Lane
Clarkston, GA 30009
Phone 678.338.7740
Fax 678.338.7744

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:
DWN BY: SPT	CHK BY: TN	CONTRACT NO.:
SUBMITTED BY:	FILE NAME:	FILE NUMBER:
40-001.dwg	40-001.dwg	40-001
SIZE: 22" x 34"	PLOT SCALE: 1" = 11'	PLOT DATE: 02/25/2019

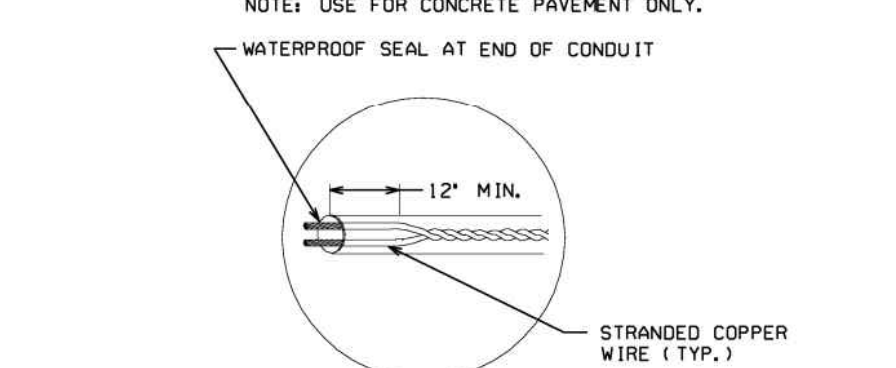
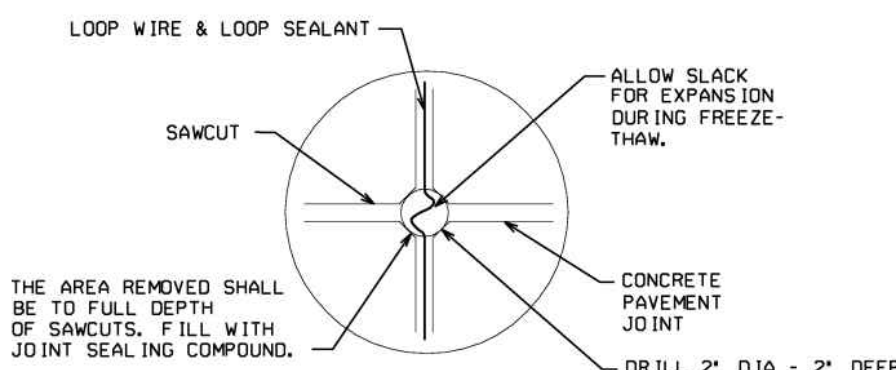
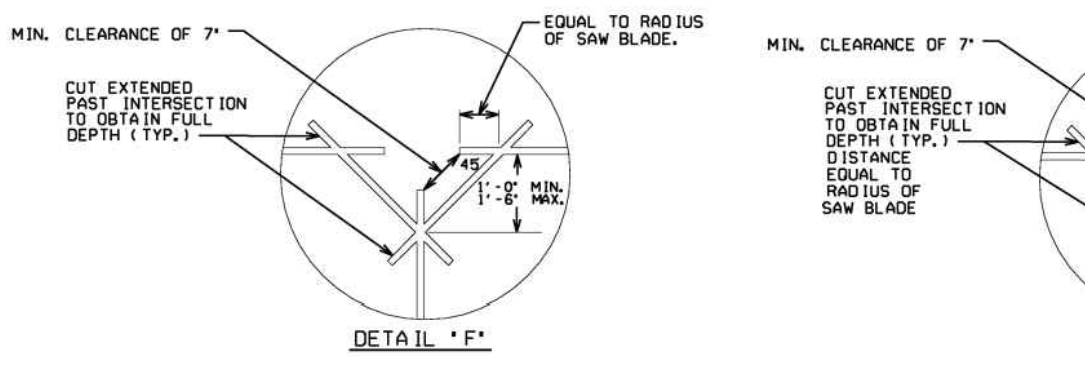
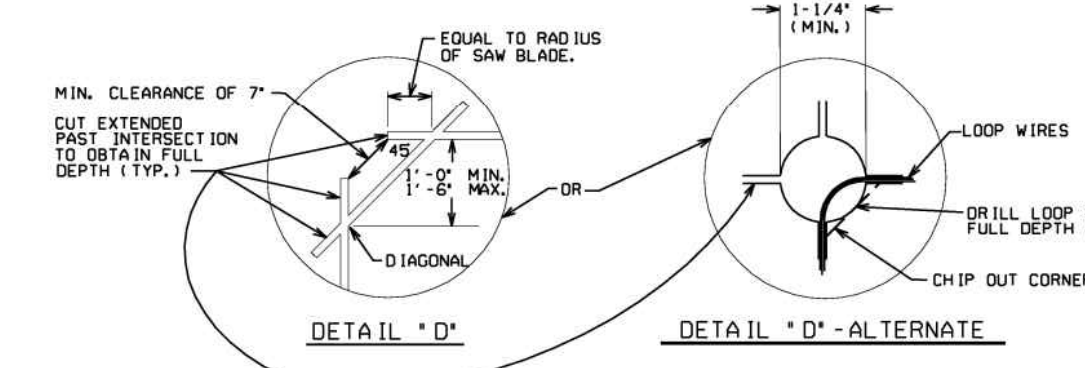
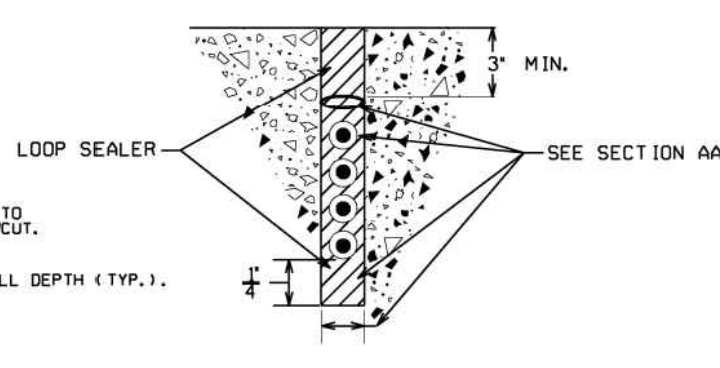
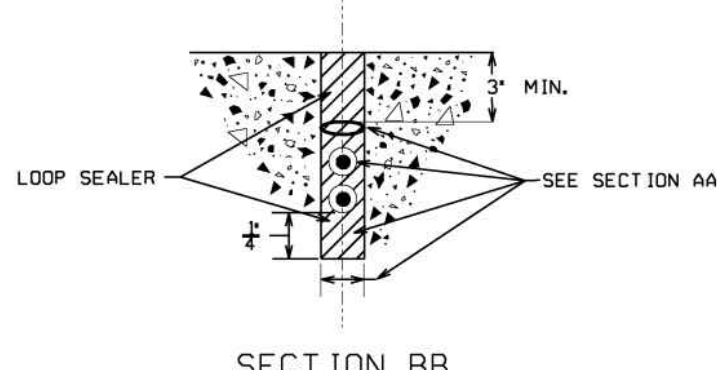
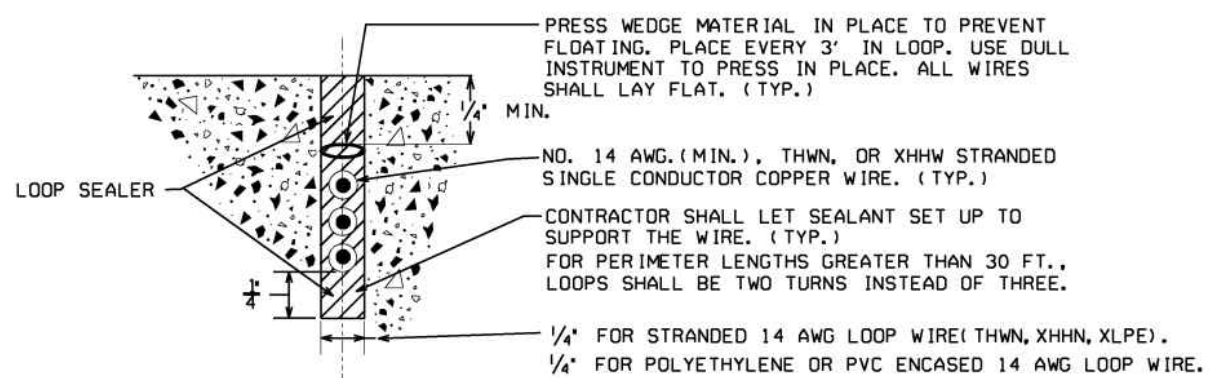
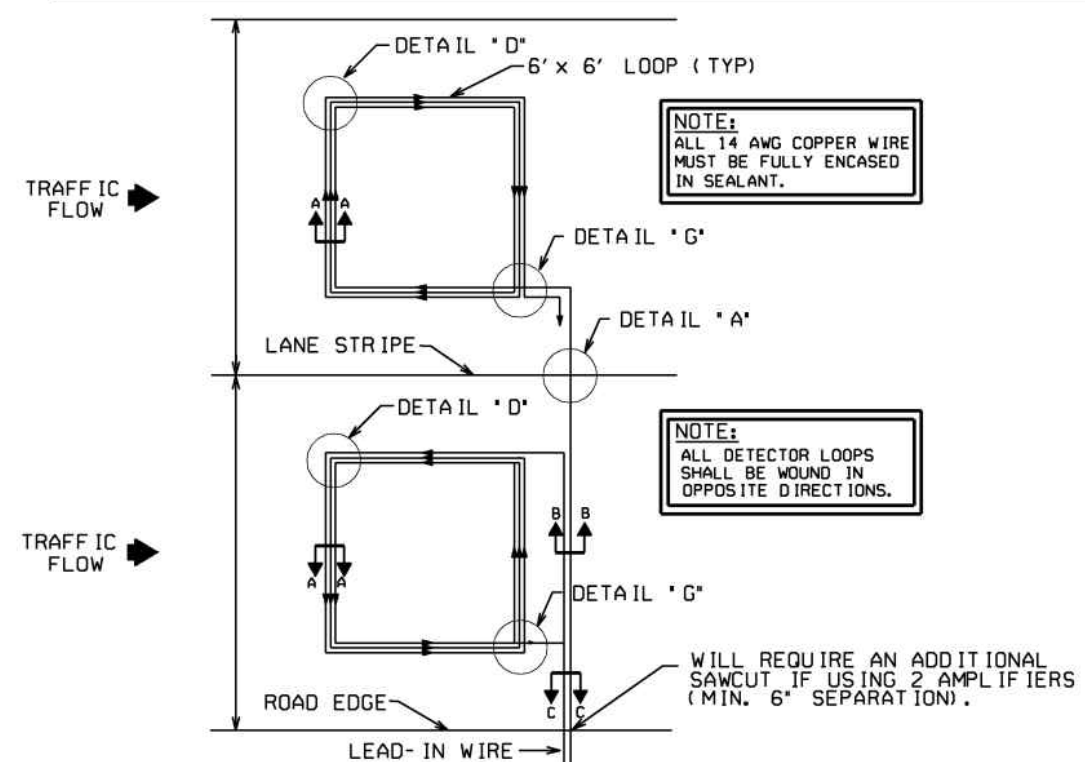
MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	1/31/2019	

SEAL

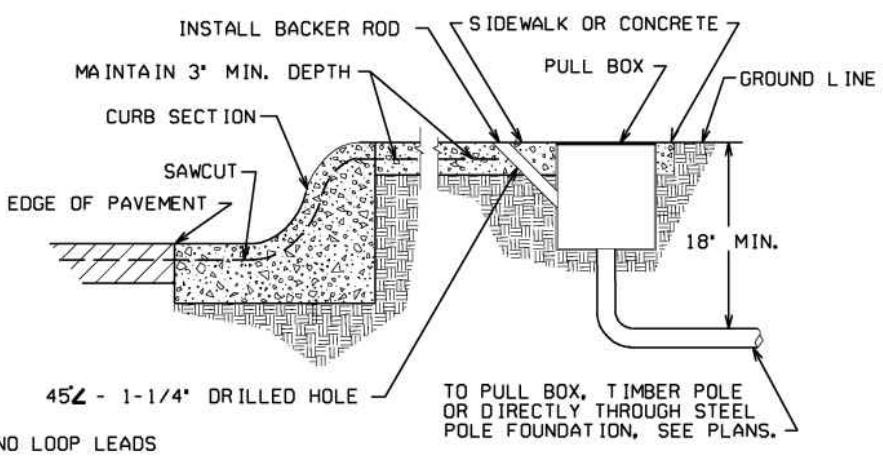
INDUCTIVE LOOP VEHICLE DETECTOR DETAILS

USING STRANDED COPPER WIRE

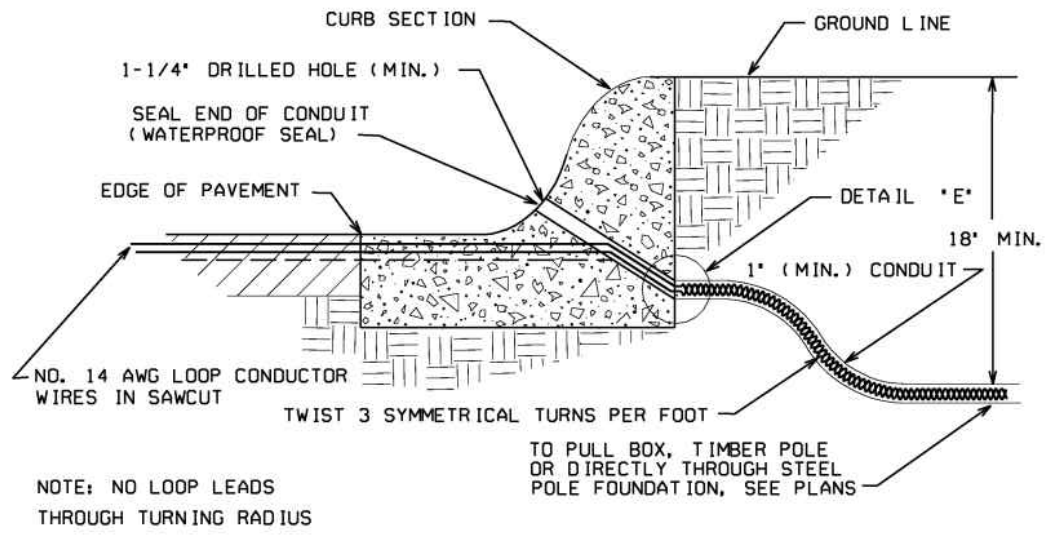
PLAN VIEW OF STANDARD LOOP SAW CUTS



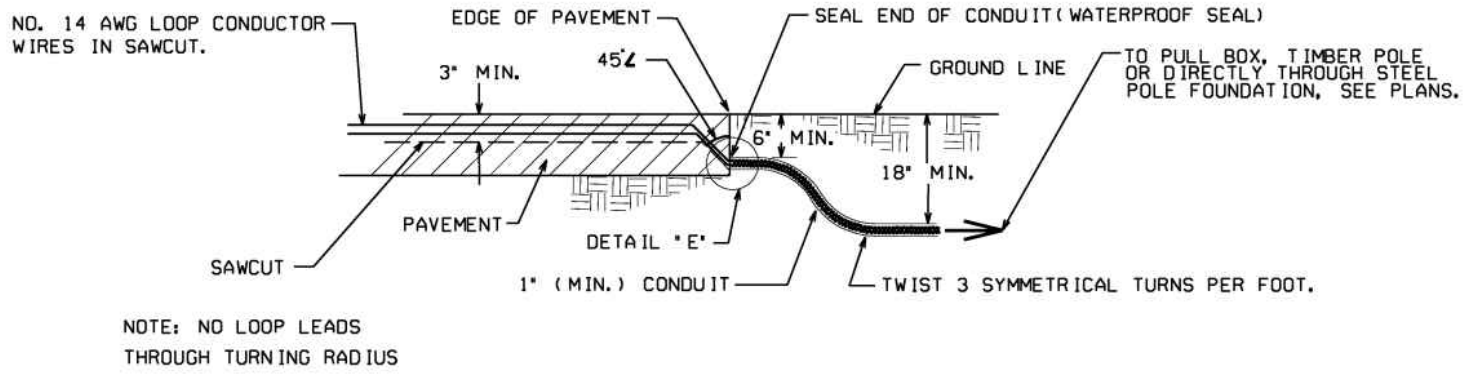
TYPICAL CURB DETAIL (WITH SIDEWALK)



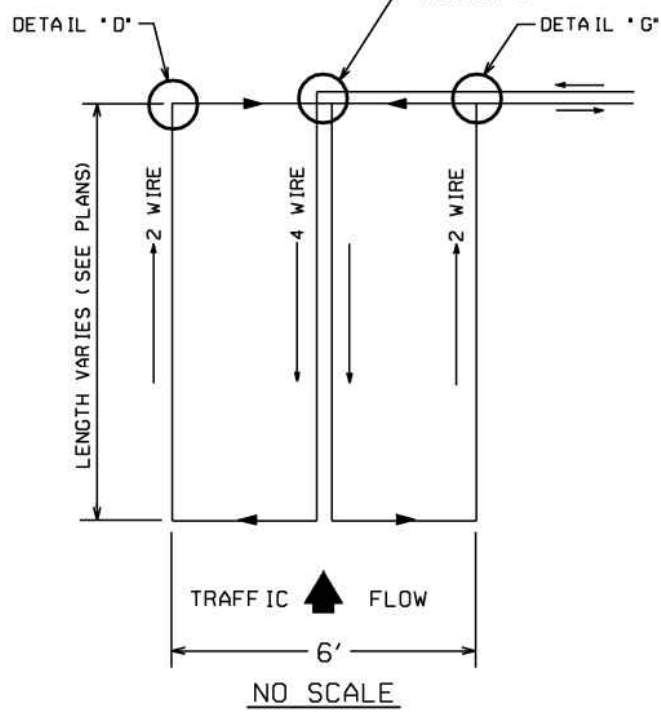
TYPICAL CURB DETAIL (WITHOUT SIDEWALK)



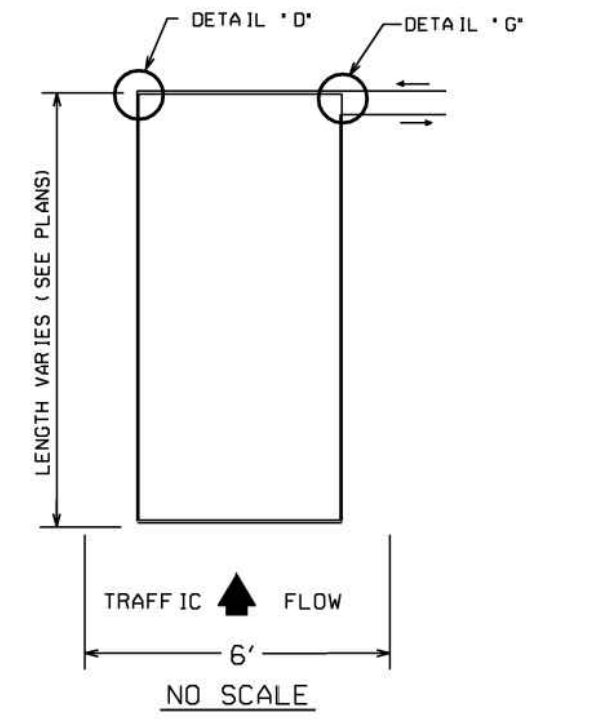
DETAIL WHERE NO CURB EXISTS



PLAN VIEW OF QUADRUPOLE



PLAN VIEW OF STANDARD LOOP

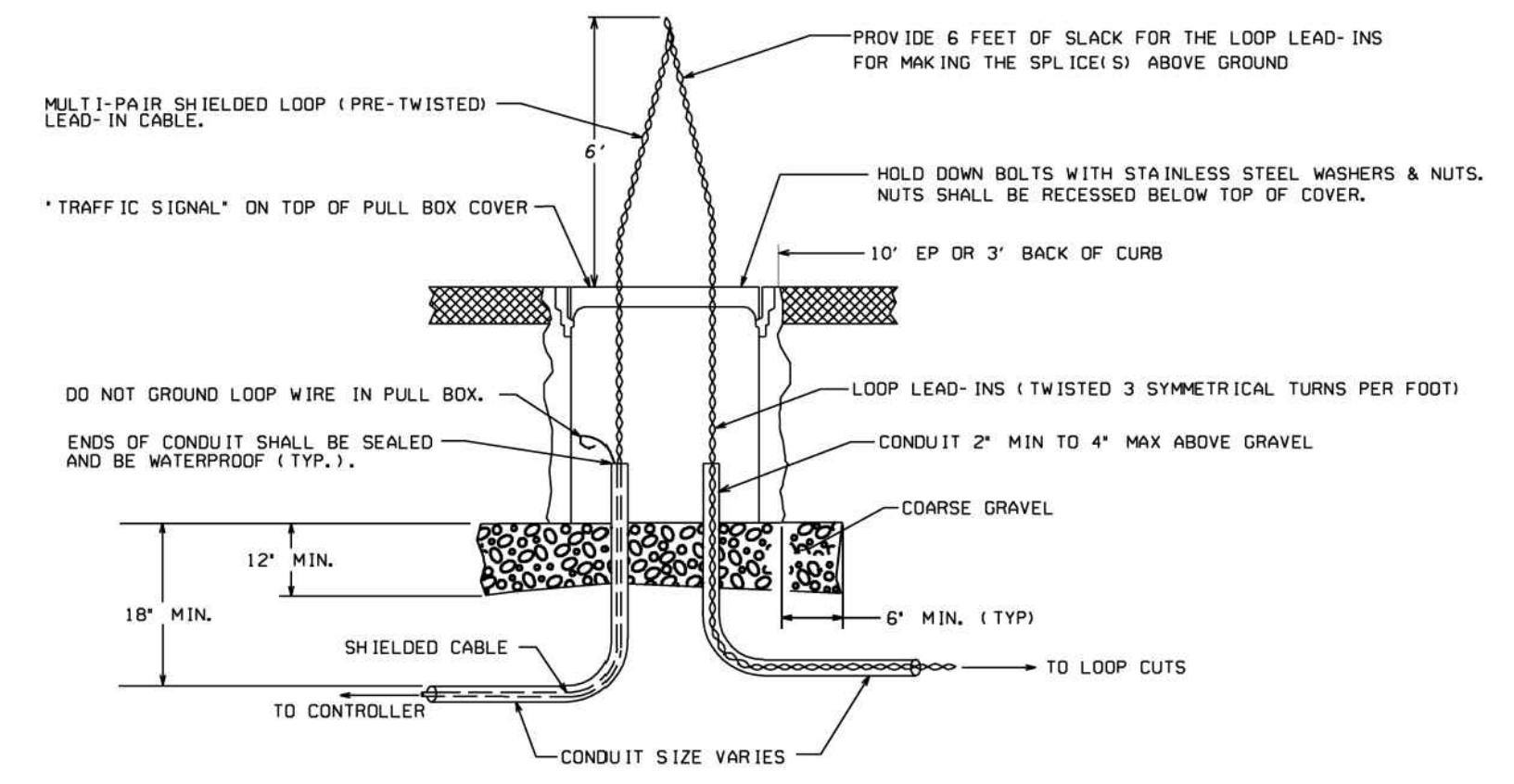


NOTE: INDUCTIVE LOOPS SHALL NOT BE INSTALLED IN A BRIDGE DECK. LOOPS MAY BE INSTALLED IN AN APPROACH SLAB.

Guidelines For Usage On Metric Projects

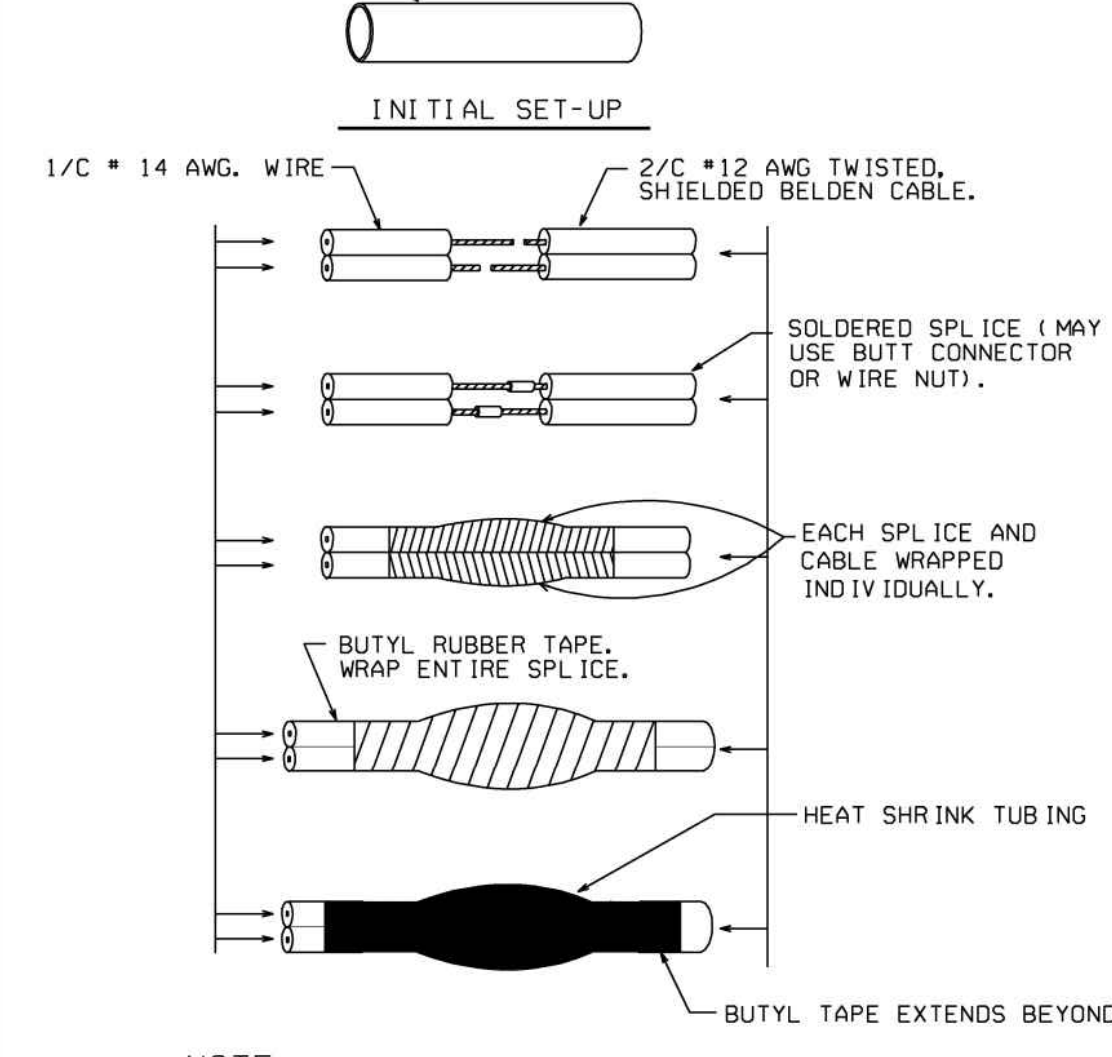
When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following: * Rounded OFF conversion factors: 1"=25mm, 4"=100mm, and 12" or 1'-300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

PULL BOX-SPLICE DETAILS

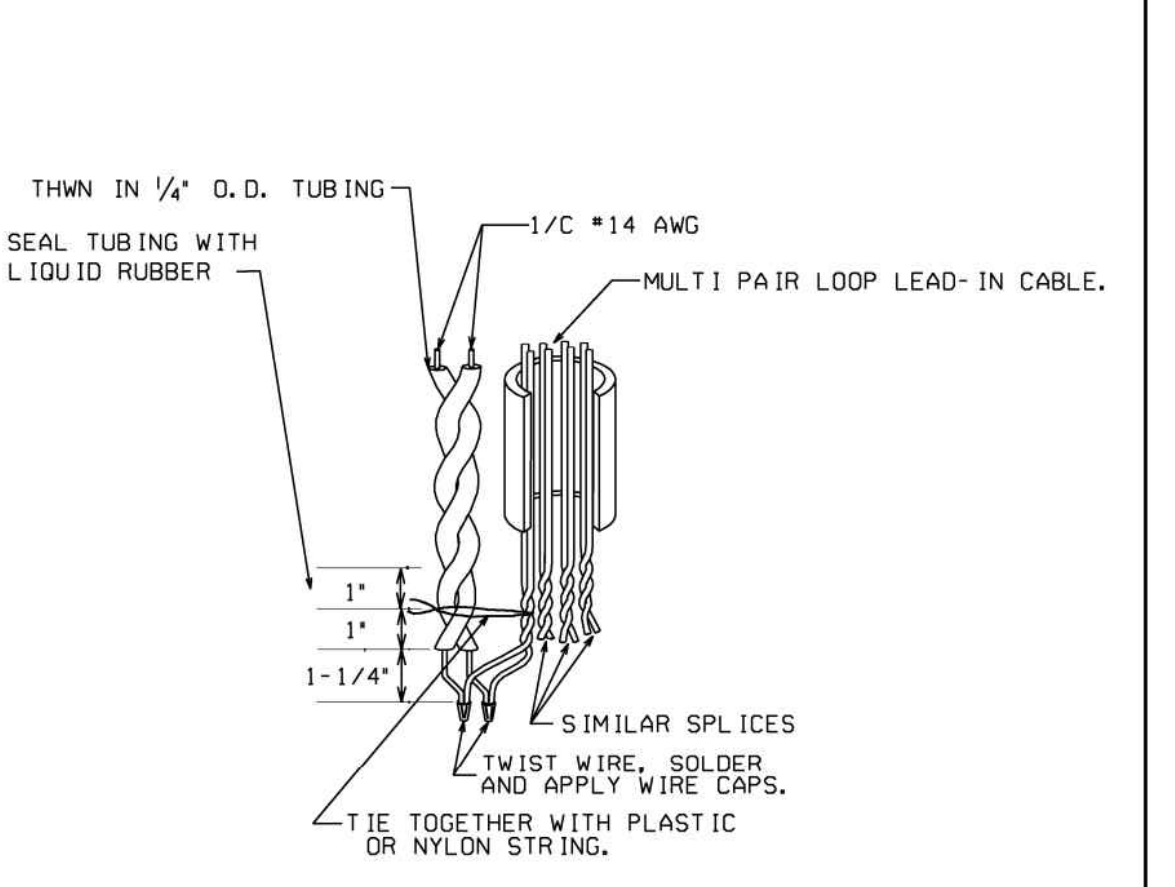


SPLICE DETAILS

ALTERNATE #1

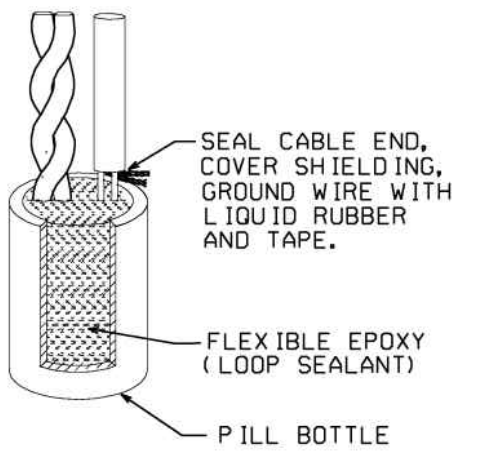


ALTERNATE #2



NOTE: FINISHED SPLICE MUST BE WATERPROOF.

FINISHED SPLICE



STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		DATE
TRAFFIC SIGNAL DETAIL INDUCTIVE-LOOP DETECTOR INSTALLATION		REVISION DESCRIPTION
APRIL 2010		REVISION DESCRIPTION
NOT TO SCALE - REPORT ERRORS		REVISION DESCRIPTION
DETAILED NUMBER		DATE
TS-01		DATE

DESIGNED BY: RBJ DATE: 2/22/2010
 DWN BY: SPT IN SOLICITATION NO.:
 SUBMITTED BY: FILE NAME: 40-010.AWG CONTRACT NO.:
 SIZE: 22" x 34" PLOT SCALE: 1:1 PLOT DATE: 02/25/2010

CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

POND
 3000 Parkway Lane
 30056 SUITE 500
 Phone 678.398.7740
 Fax 678.398.7744

POND PROJECT No. 1190154

100% SUBMITTAL

1/31/2010

MARK

DATE

APPR.

DESCRIPTION

SEAL

CONSTRUCTION DETAILS

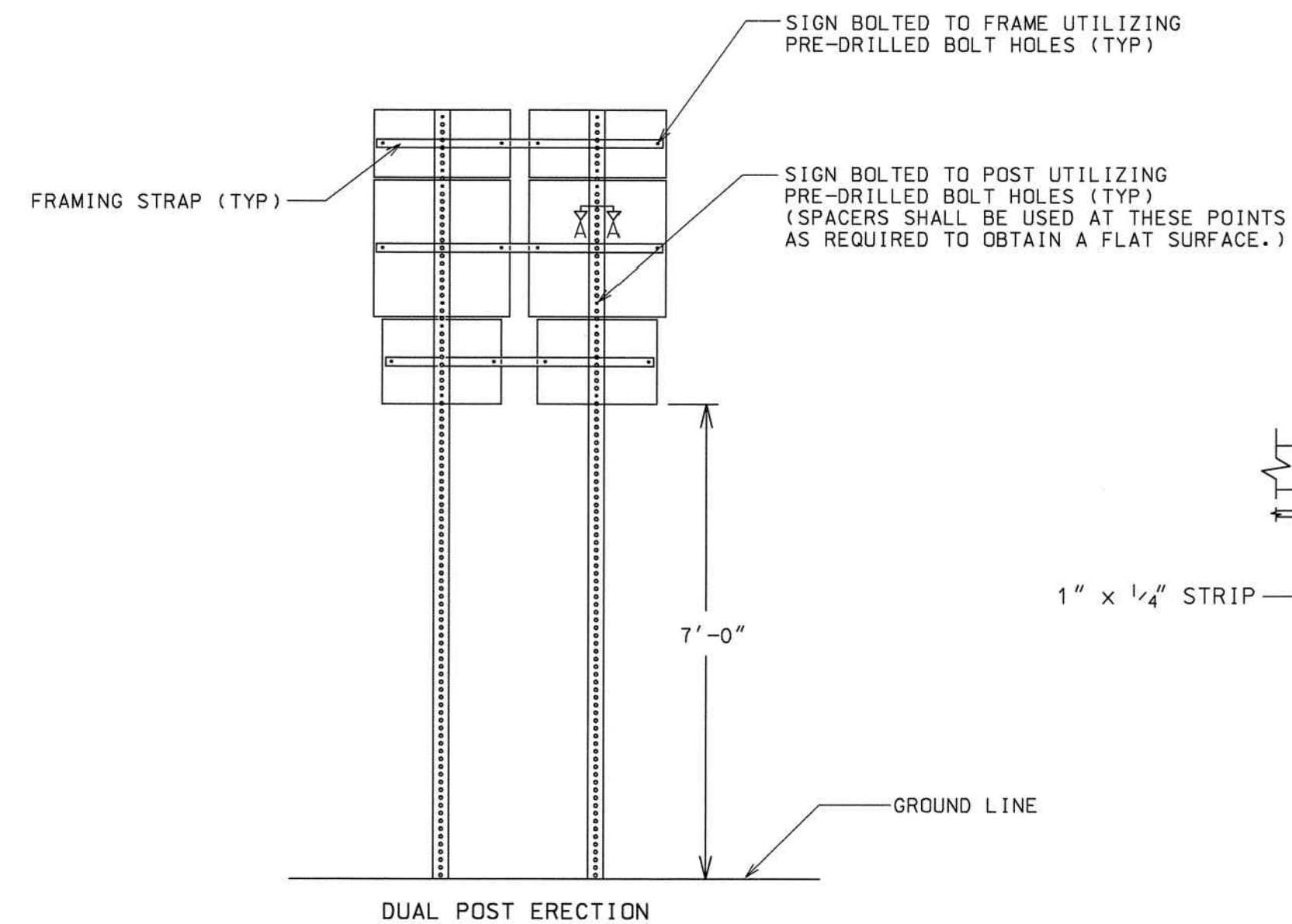
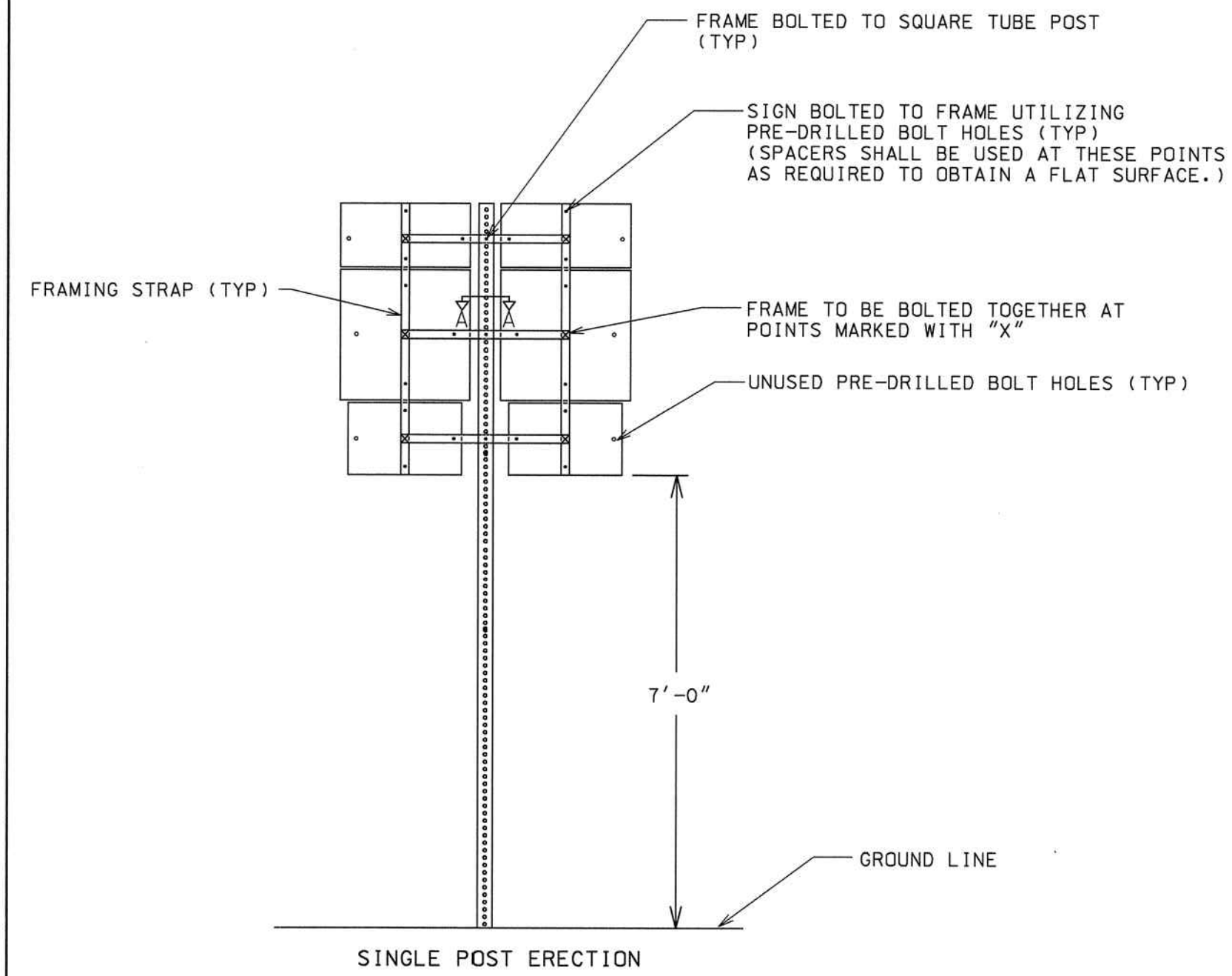
PONCE/CHURCH SIDEWALKS

SHEET IDENTIFICATION NUMBER

40-010

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02\CAD\CHURCH & PONCE\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY

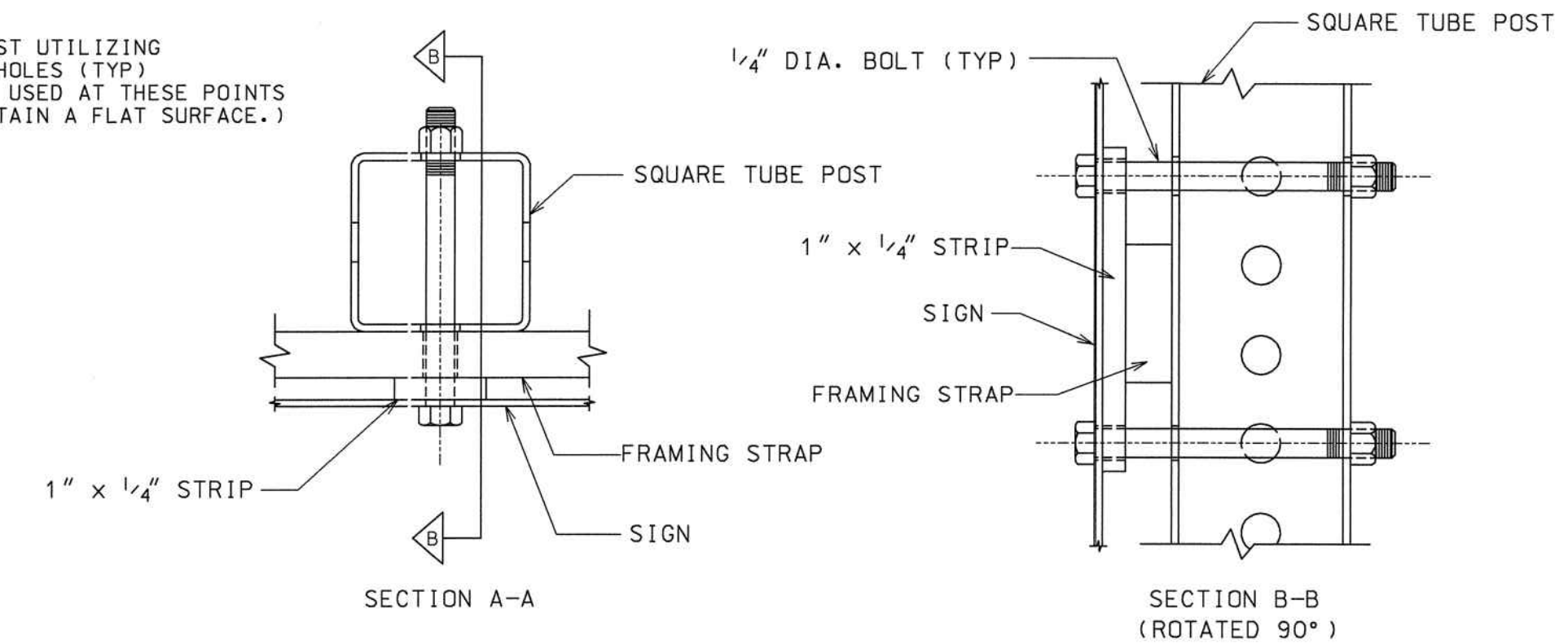
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



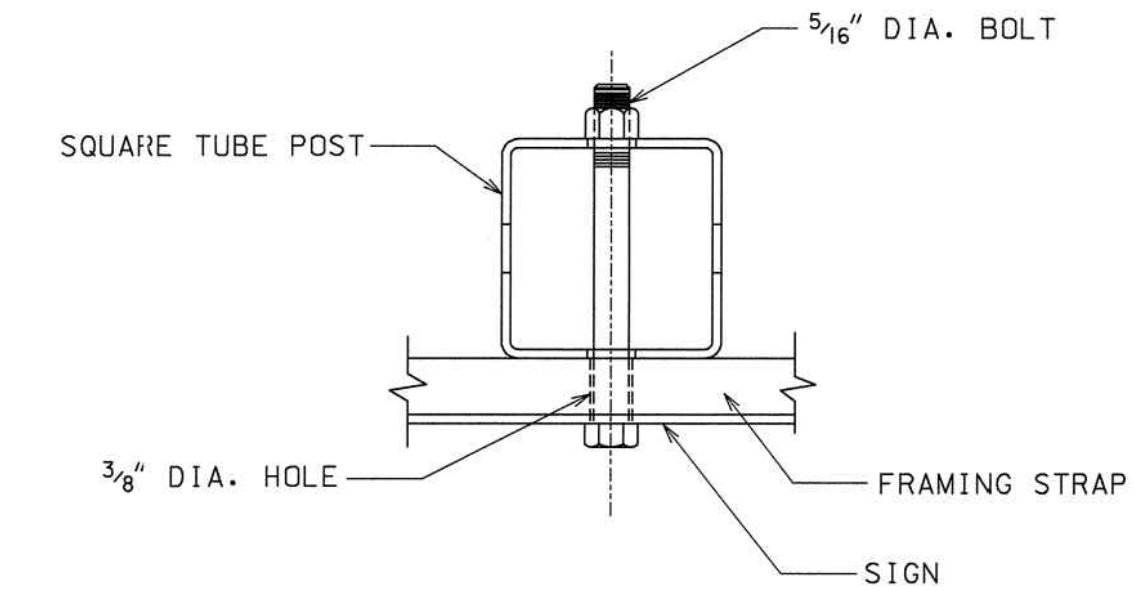
TYPICAL ASSEMBLY UNIT (BACK VIEW)

GENERAL NOTES:

1. STYLE OF FRAMING IS OPTIONAL. ALTERNATE DESIGNS ARE ACCEPTABLE UPON APPROVAL OF THE ENGINEER. FRAME SHALL BE DESIGNED SO AS TO HOLD THE ASSEMBLY IN A FIXED, RIGID POSITION.
2. FRAMING STRAPS SHALL BE GALVANIZED STEEL OR ALUMINUM.
3. STEEL SHALL BE A.S.T.M. DESIGNATION A-283, GRADE D, GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-123.
4. ALUMINUM SHALL BE ALLOY 6061-T6.
5. BOLTS, NUTS, WASHERS, AND SPACERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
6. FRAMING STRAPS ON A DUAL POST ERECTION SHALL NOT BE BOLTED TO THE POST.



OPTION #1 - FRAMING STRAP WITHOUT MOUNTING HOLE
(ALL FRAMING STRAPS SHALL BE 1 1/2" x 1/2" x REQUIRED LENGTH)



OPTION #2 - FRAMING STRAP WITH MOUNTING HOLE
(ALL FRAMING STRAPS SHALL BE 2" x 1/2" x REQUIRED LENGTH)

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC OPERATIONS
3/31/00	CHANGED U-CHANNEL POST TO SQUARE TUBE POST	

DETAILS FOR
TYPICAL FRAMING

NO SCALE JANUARY 2000

T-2

100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL
A	A	A	A
MARK	MARK	MARK	MARK
DATE	DATE	DATE	DATE
APPR.	APPR.	APPR.	APPR.
DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION

DESIGNED BY: RBJ DATE: 2/22/2019 SOLICITATION NO.: CONTRACT NO.: FILE NUMBER: PLOT DATE: 02/25/2019

DWN BY: JTN CHK BY: JTN SUBMITTED BY: 40-001.DWG FILE NAME: PLOT SCALE: 1:1

SIZE: 22" x 34"

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND

3000 Parkway Lane GA
30006 SUITE 500
Phone 678.387.7740
Fax 678.387.7744

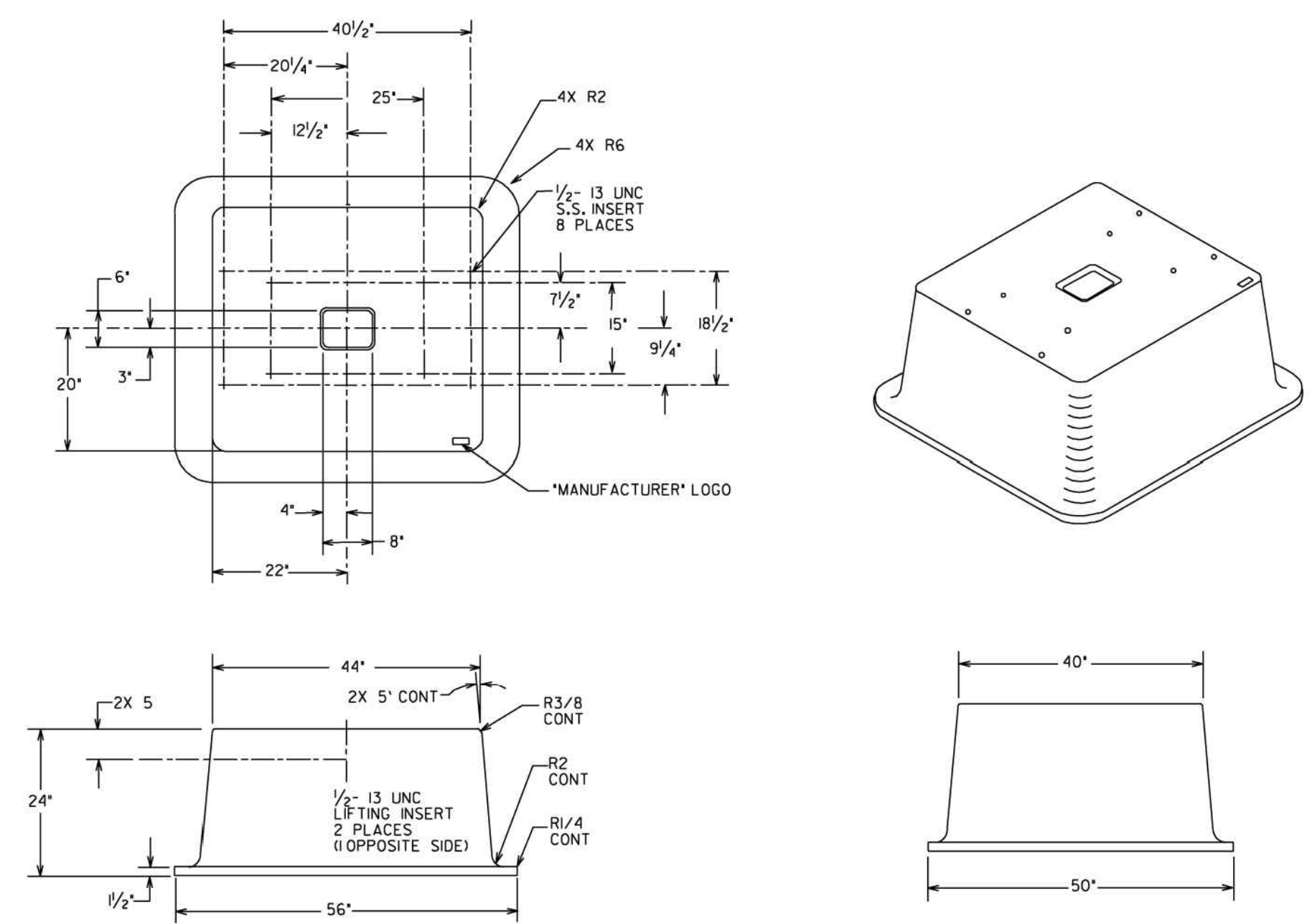
POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS

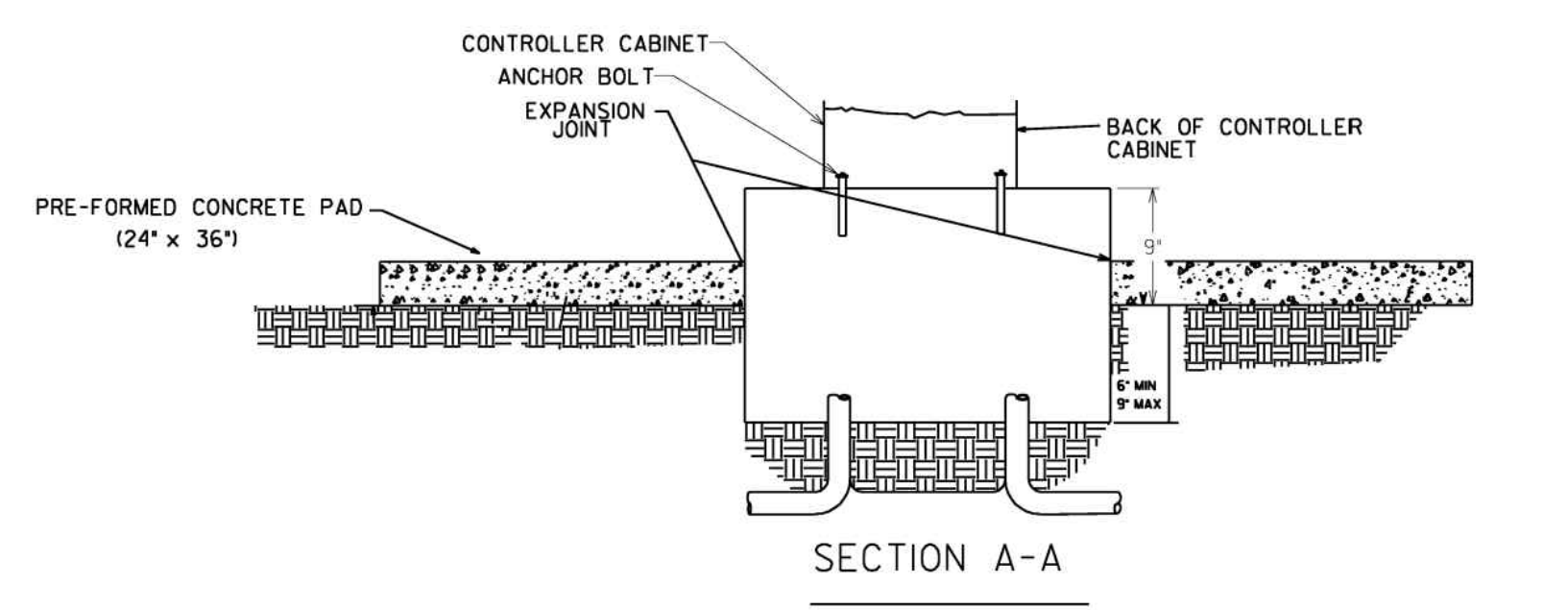
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-011

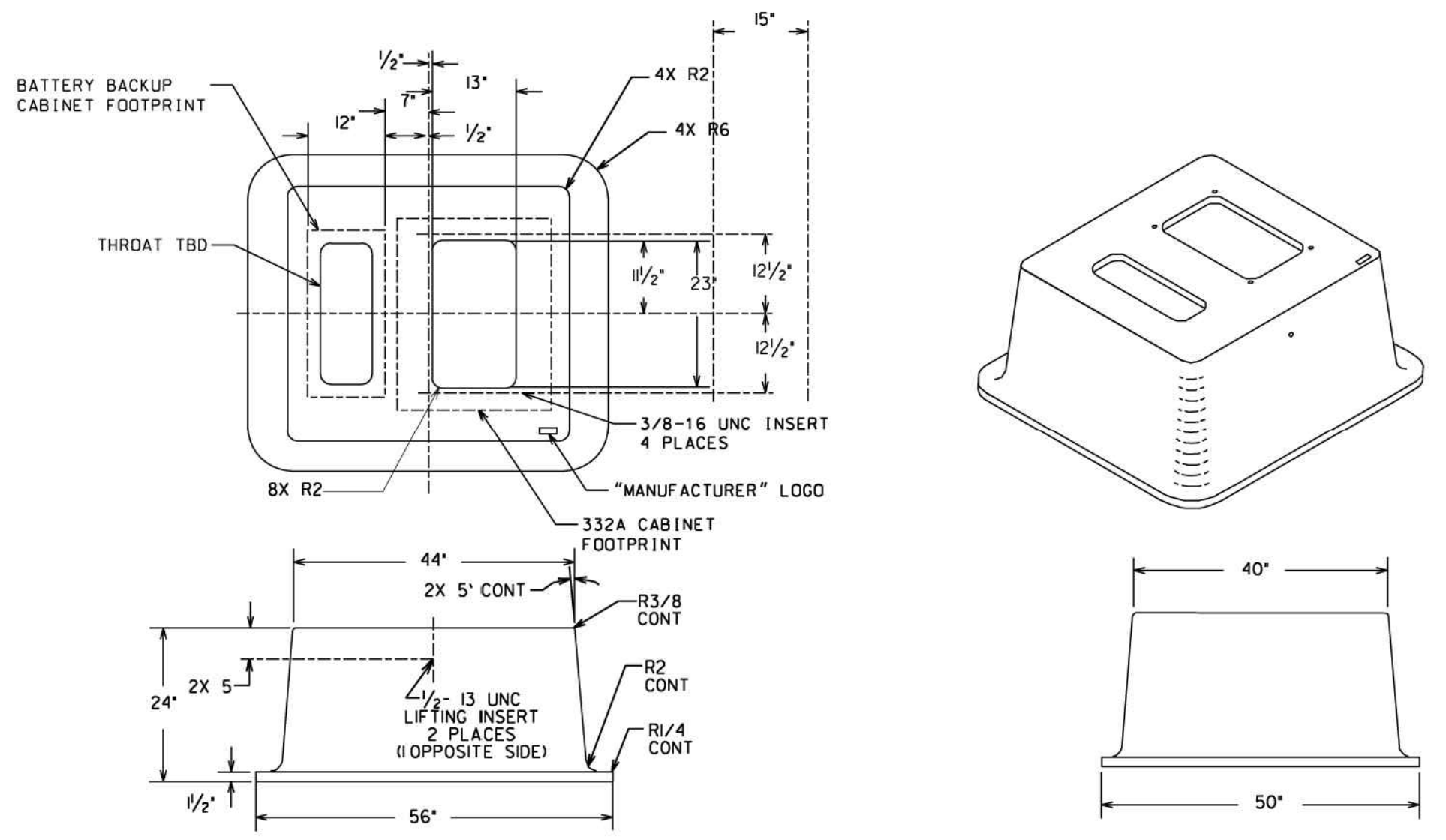
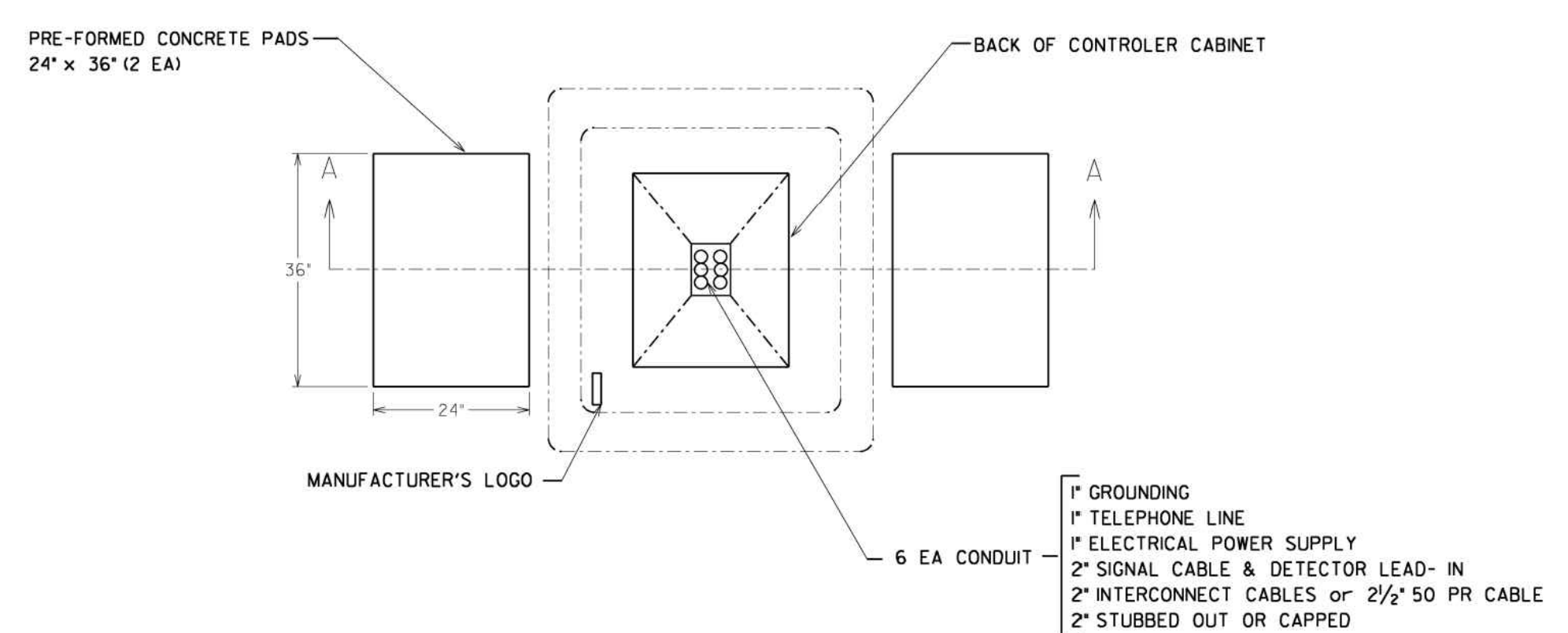
STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				



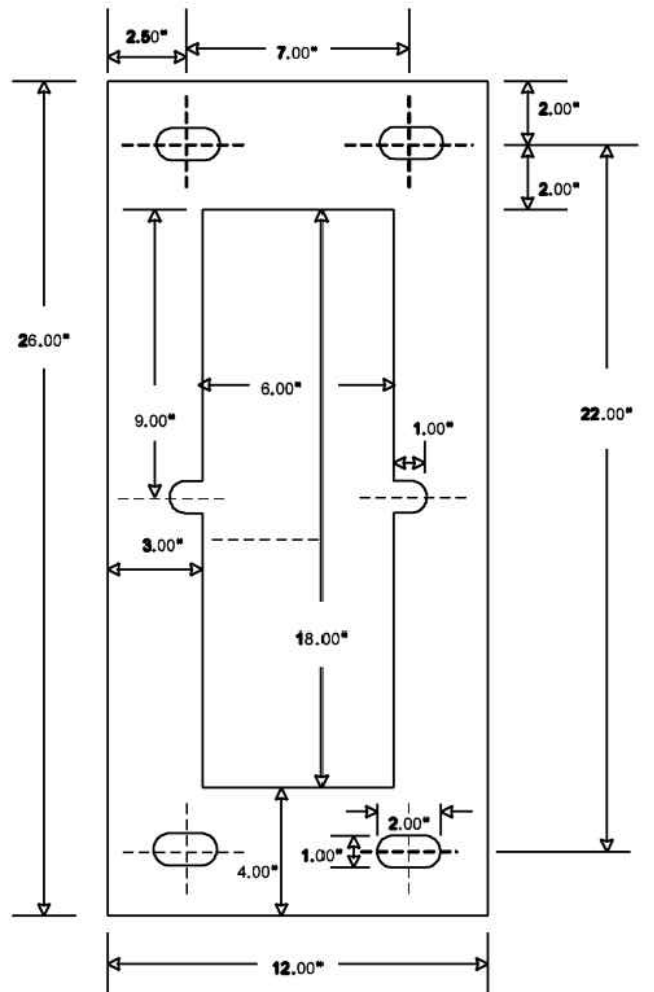
PREFABRICATED 332 CONTROLLER BASE



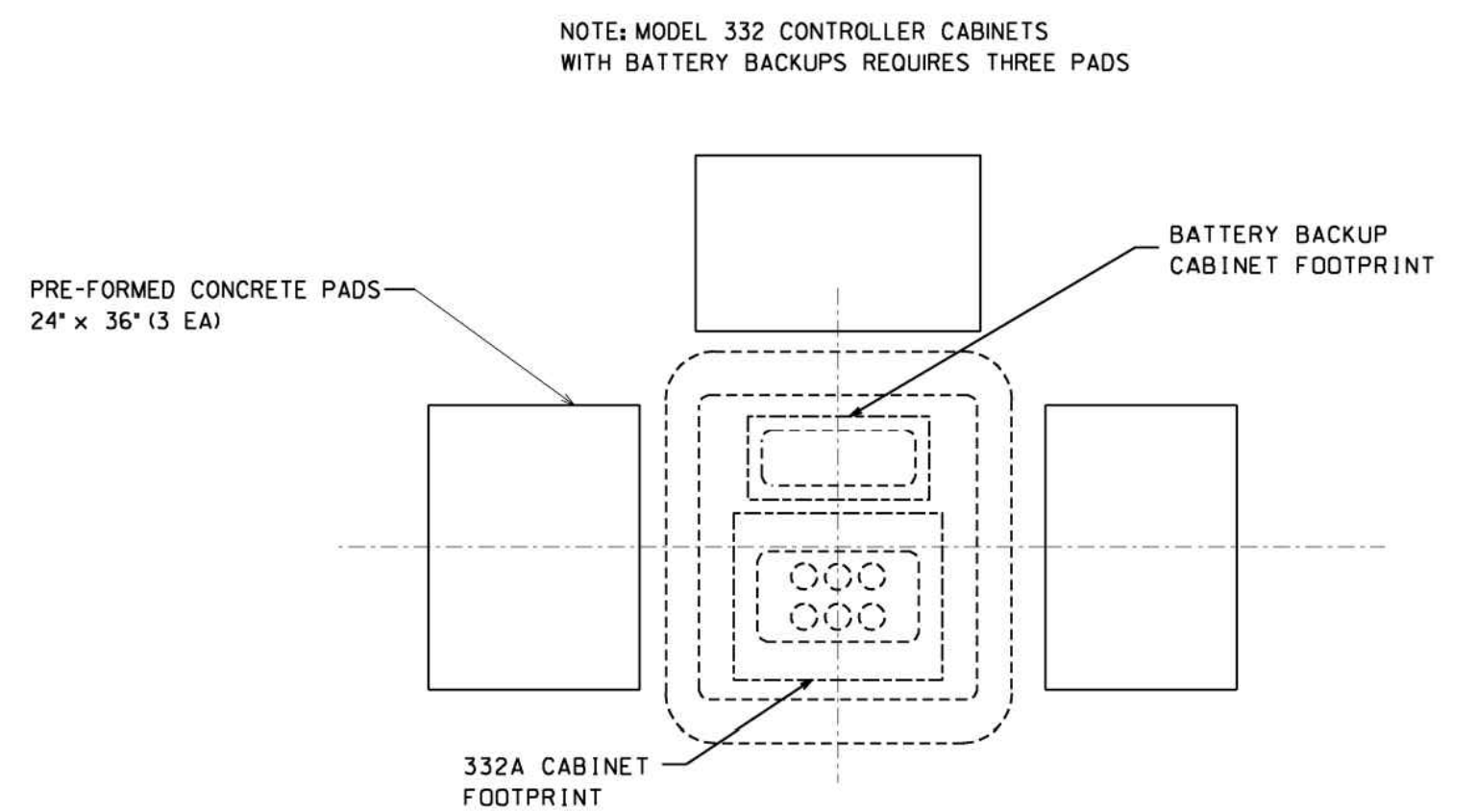
SECTION A-A



PREFABRICATED CONTROLLER BASE WITH BATTERY BACKUP BASE MOUNT EXTENSION



BATTERY BACKUP BASE MOUNT CABINET ANCHOR BOLT PATTERN



NOTE: MODEL 332 CONTROLLER CABINETS WITH BATTERY BACKUPS REQUIRES THREE PADS

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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
TRAFFIC SIGNAL DETAIL	
CABINET BASE DETAIL	
REV. BY:	DETAIL NUMBER
APRIL 2010	TS-03
NOT TO SCALE - REPORT ERRORS	

SEAL

100% SUBMITTAL

DATE	DESCRIPTION	MARK	APPR.
1/31/2019			

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/25/2019
DWN BY: SPT	CHK BY: TN	FILE NAME: 40-01.DWG	FILE NUMBER:	FILE NUMBER:	FILE NUMBER:
SUBMITTED BY:	SIZE: 22" x 34"	SIZE: 22" x 34"	PLOT SCALE: 1:1		

CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

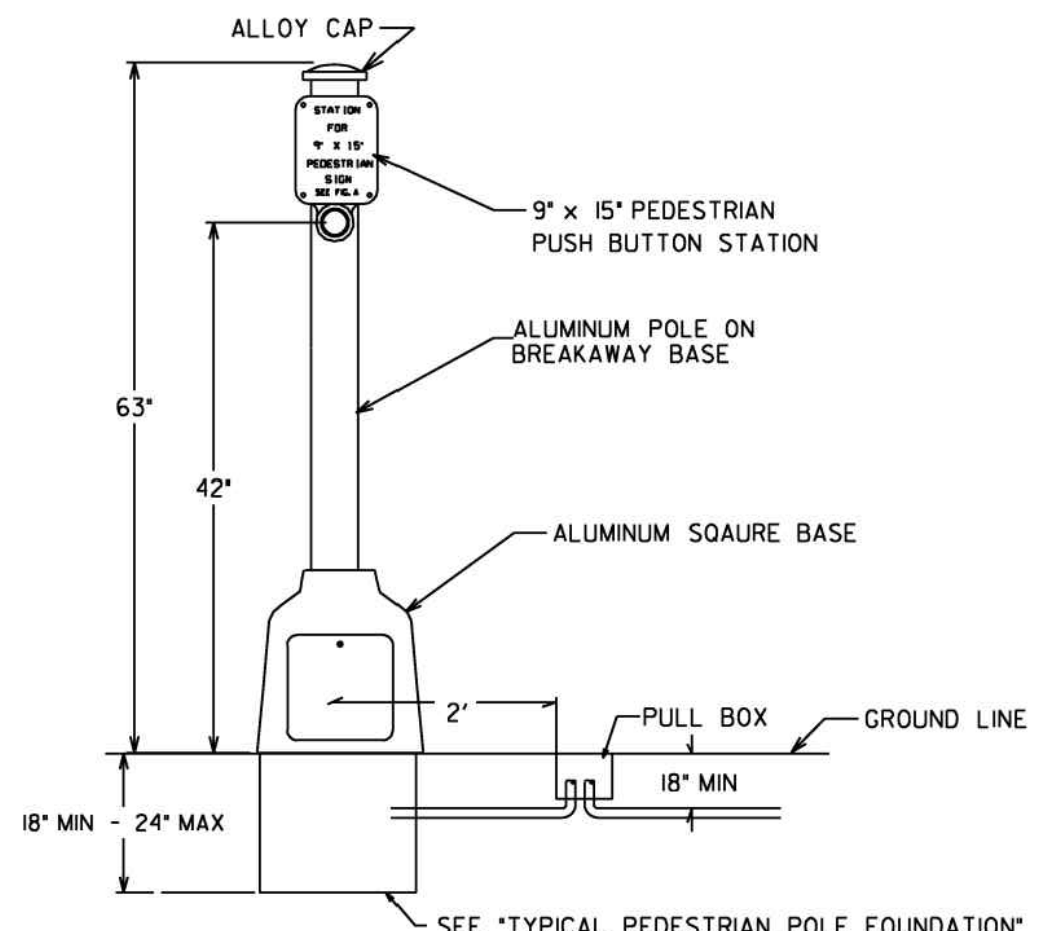
POND
 3000 Parkway Lane
 30096 SUITE 500
 Phone 678.387.740
 Fax 678.387.744

POND PROJECT No. 1190154

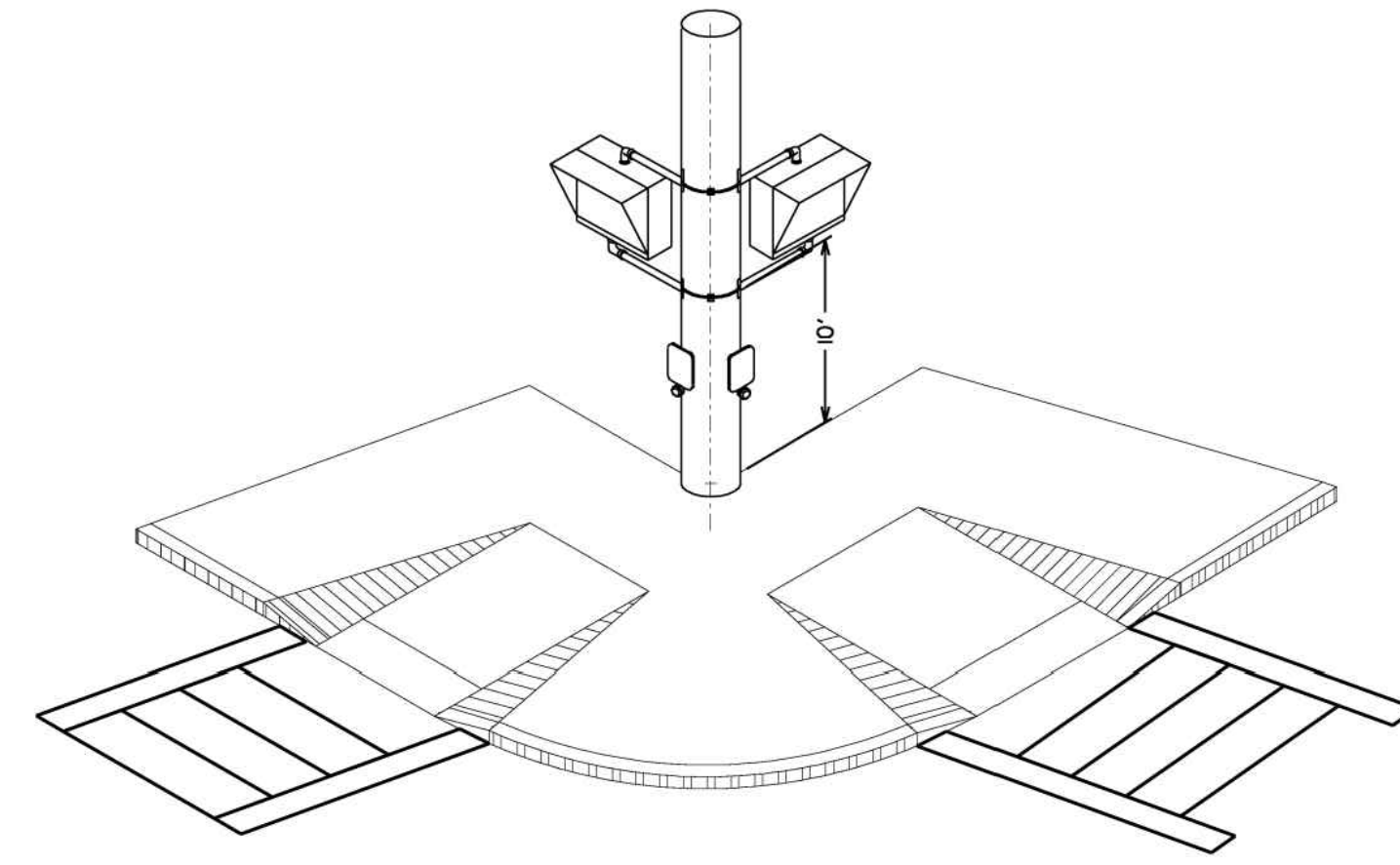
PONCE/CHURCH SIDEWALKS
 CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
 40-012

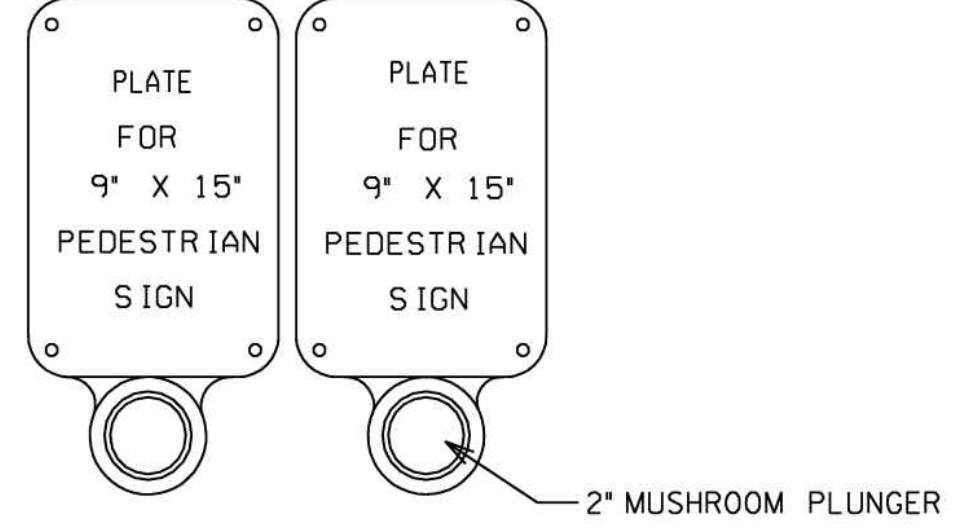
STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				



PEDESTRIAN PUSH BUTTON POST

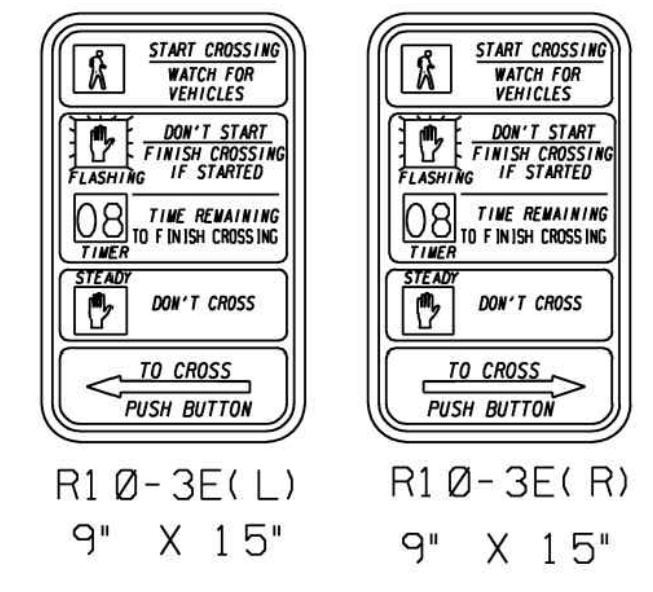


PEDESTRIAN SIGNAL HEAD ORIENTATION FOR SIDE OF POLE MOUNTING

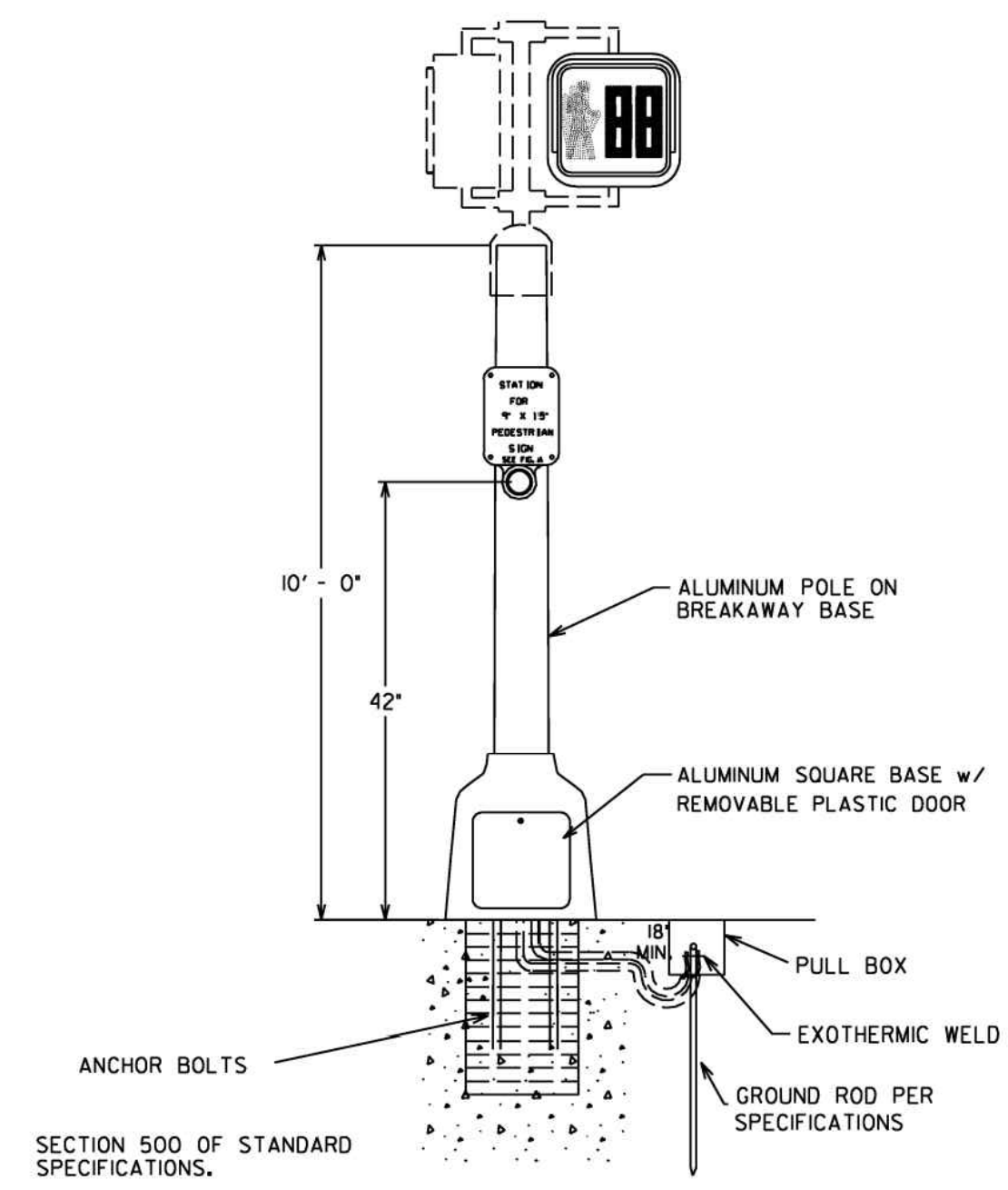


A 'PUSH BUTTON STATION' IS THAT PIECE OF EQUIPMENT THAT CONTAINS THE PEDESTRIAN INSTRUCTIONAL SIGN PLATE AND THE PUSH BUTTON

PEDESTRIAN PUSH BUTTON STATION

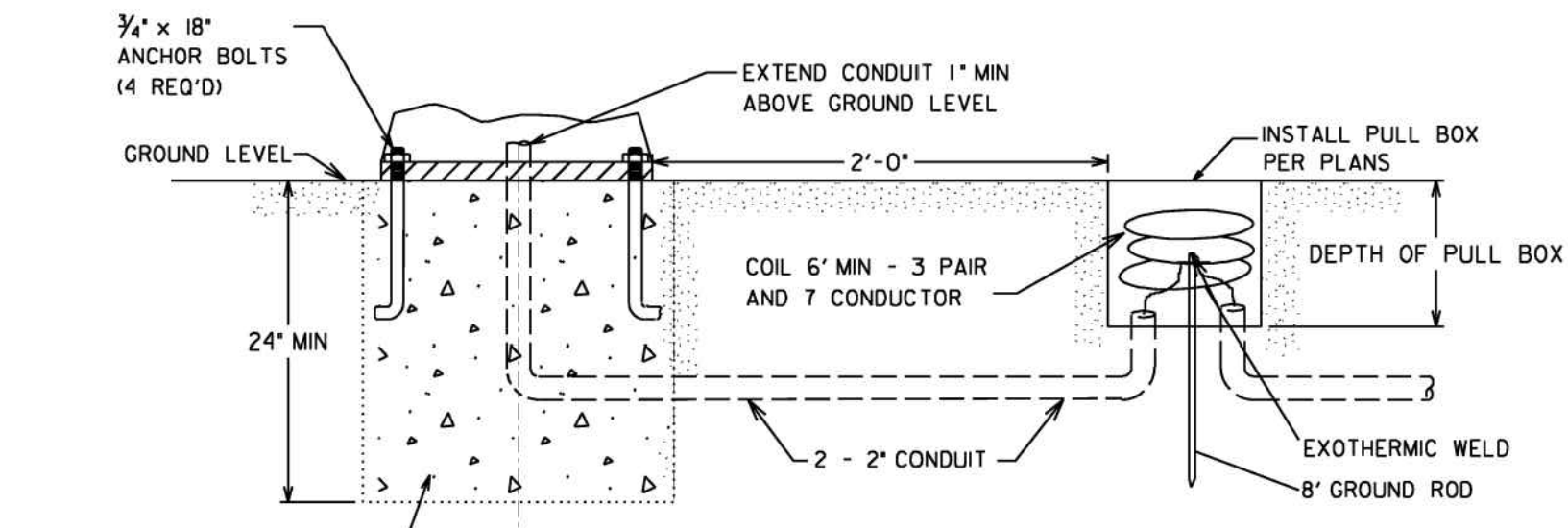
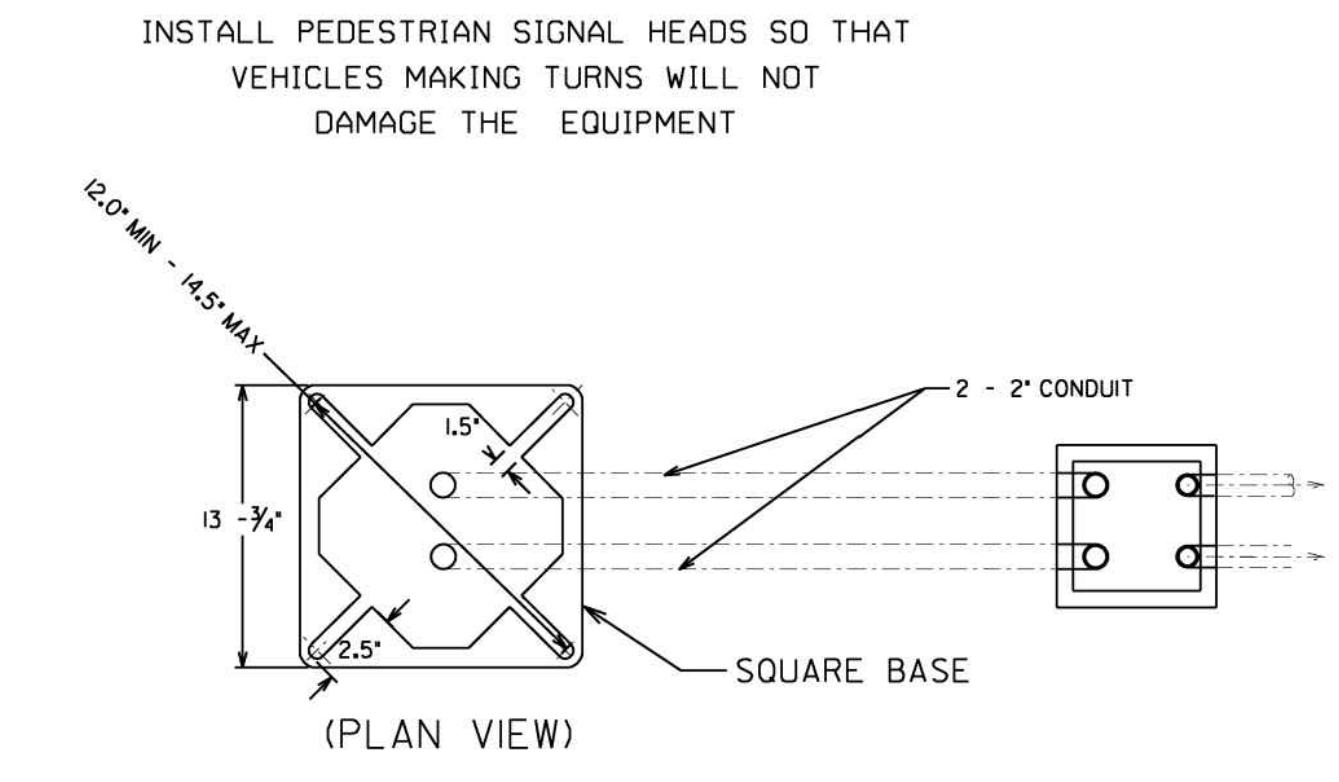


PEDESTRIAN SIGNS



DETAIL FOR PEDESTRIAN SIGNAL POLES

NOTE:
 DETAILS SHOWN IS FOR TOP POST MOUNTING ASSEMBLY ON 10 FEET PEDESTRIAN POLE.
 A CLAMSHELL MOUNTING ASSEMBLY (NOT SHOWN) MAY BE USED AS APPROVED BY THE DEPARTMENT.
 THE CLAMSHHELL MOUNTING HARDWARE ASSEMBLY SHALL MEET THE SAME GDOT STANDARDS AS THE PEDESTRIAN SIGNAL HOUSING IN PAINT AND MATERIAL.

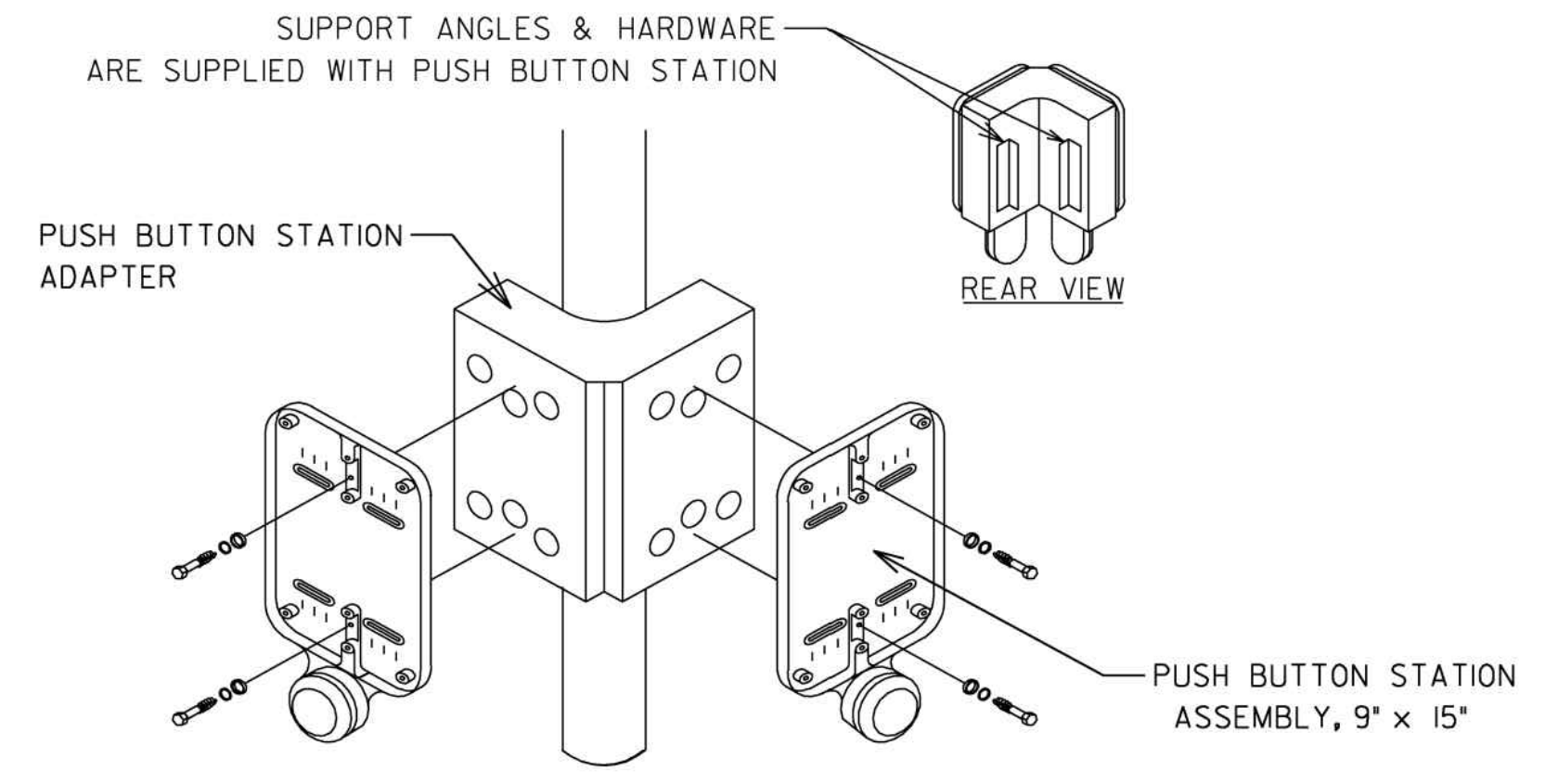


TYPICAL PEDESTRIAN POLE FOUNDATION

CLASS A CONCRETE PER SECTION 500 OF STANDARD SPECIFICATIONS

Guidelines For Usage On Metric Projects

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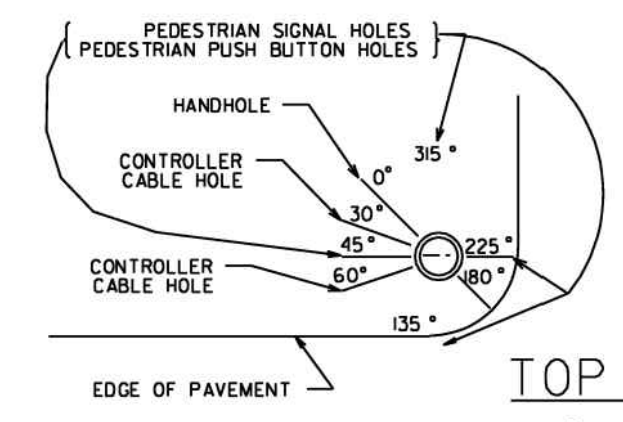


DOUBLE PUSH BUTTON STATION ADAPTER FOR 4" DIA. PEDESTRIAN POLE

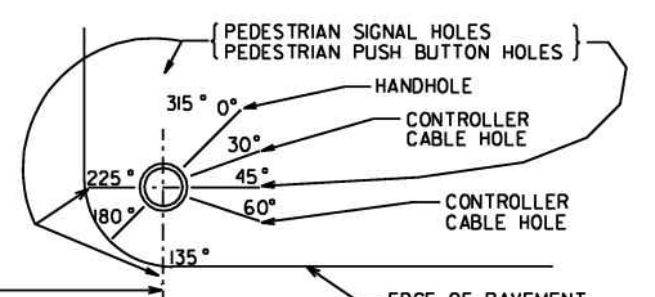
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REVISION DESCRIPTION		TRAFFIC SIGNAL DETAIL PEDESTRIAN FACILITIES INSTALLATION DETAILS	
REV. BY:		APRIL 2010	DETAIL NUMBER TS-03A
NOT TO SCALE - REPORT ERRORS			

SEAL	
100% SUBMITTAL 10/12/2019 MARK DATE APPR.	DESIGNED BY: RBJ DATE: 2/22/2019 DWG BY: SPT CONTRACT NO.: SUBMITTED BY: 40-001 AWG FILE NAME: 40-001 AWG SIZE: 22" x 34" PLOT SCALE: 1" = 11' PLOT DATE: 02/25/2019
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK 3000 Parkway Lane GA 30096 SUITE 500 Phone 678.387.7740 POND PROJECT No. 1190154 Fax 678.387.7744	
PONCE/CHURCH SIDEWALKS CONSTRUCTION DETAILS	
SHEET IDENTIFICATION NUMBER 40-013	

STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				

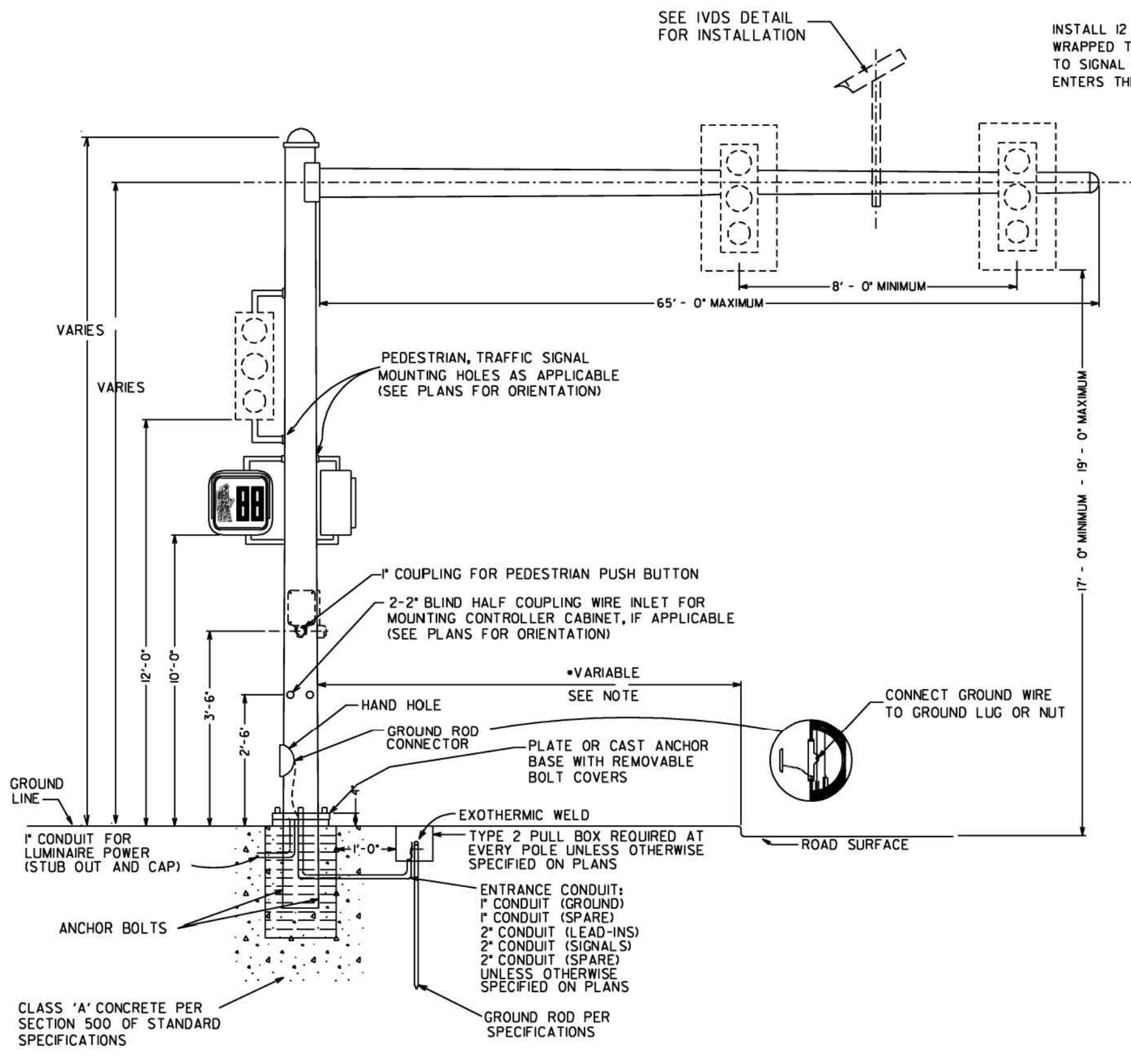


TOP VIEW FOR INLET HOLES ORIENTATION

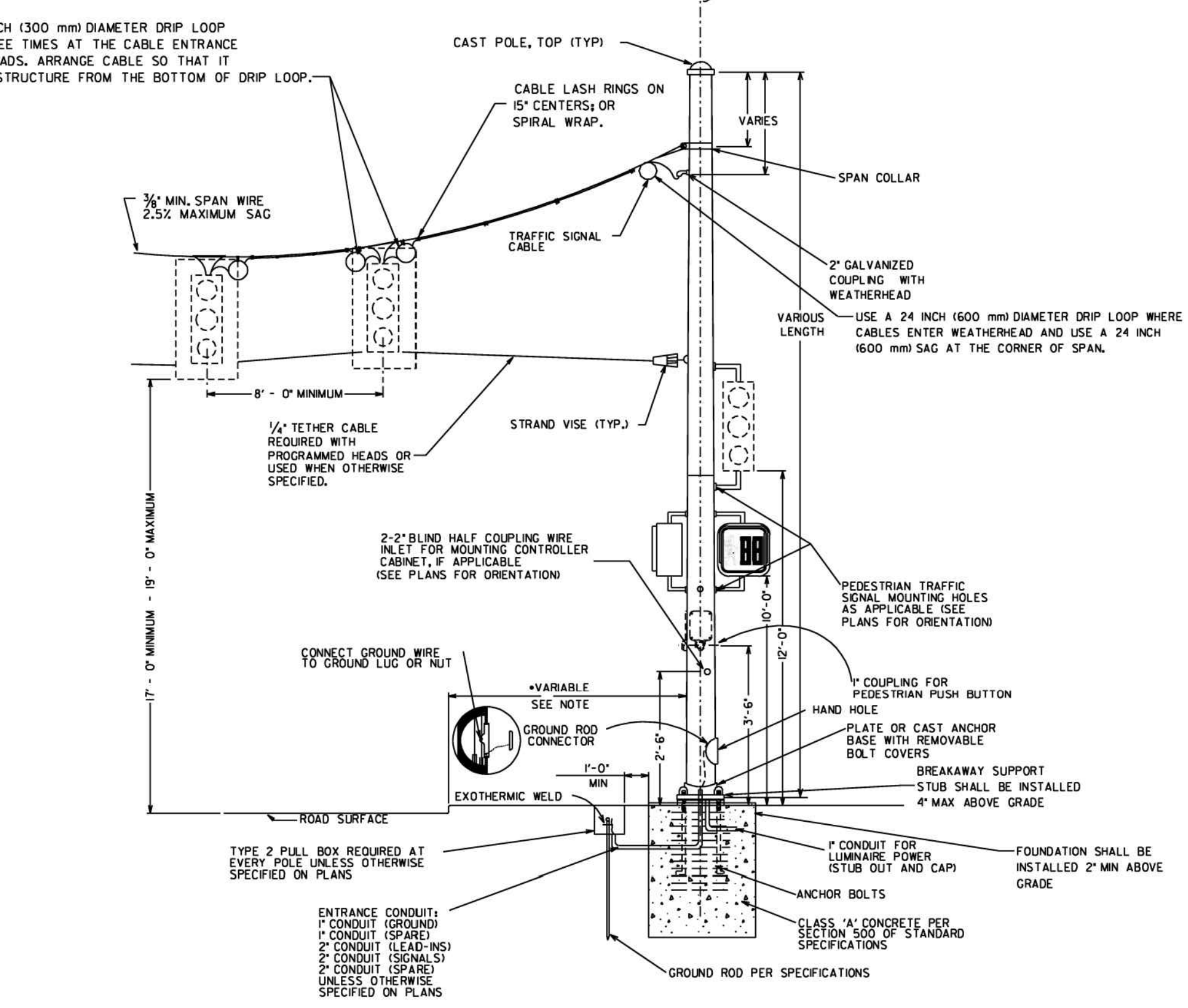


TOP VIEW FOR INLET HOLES ORIENTATION

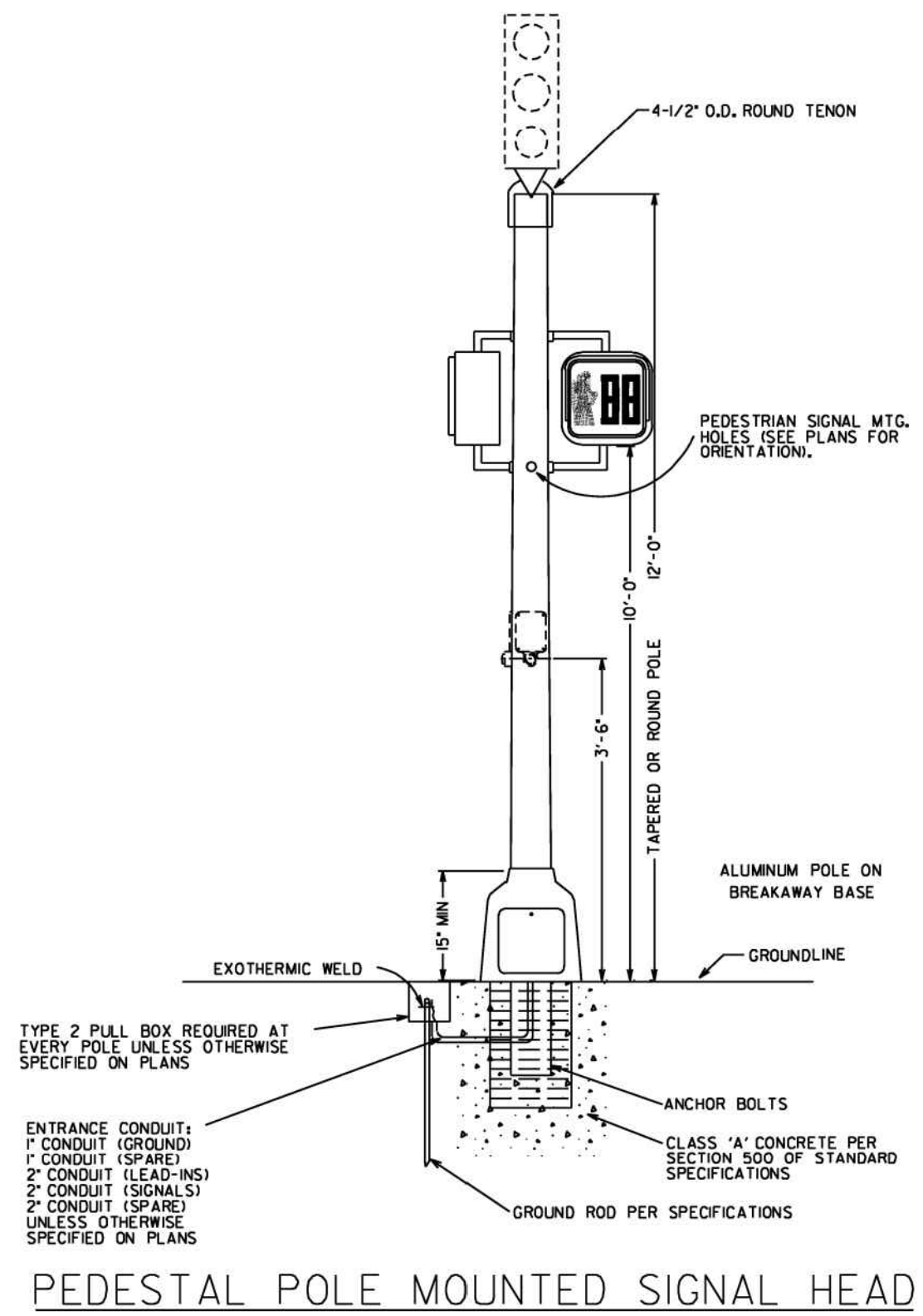
NOTES:
 DRAWINGS AND OTHER DATA INDICATING POLE DIMENSIONS AND DESIGN TOGETHER WITH DESIGN OF BASE SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE DEPT. ENGINEER, PER SPECIFICATIONS AND DETAILS.
 FOUNDATION SIZE AND REINFORCING SHALL BE DETERMINED FROM THE "STRAIN POLE FOUNDATIONS" SHEET WITH THE USE OF THE BENDING MOMENT AT YIELD PROVIDED BY POLE MANUFACTURER.
 ALL HOLES IN MAST ARMS MUST BE FABRICATED BY THE MANUFACTURER, SEE SECTION 925 OF STANDARD SPECIFICATIONS REGARDING RIGID MOUNTING HARDWARE FOR SIGNAL HEADS.
 WHEN POLES ARE LOCATED ON ALL CORNERS, LUMINAIRES ARE TO BE INSTALLED PERPENDICULAR TO THE FAR SIDE APPROACHING TRAFFIC.
 WHEN LUMINAIRES ARE ONLY BEING INSTALLED ON TWO CORNERS, THEY SHOULD BE INSTALLED PERPENDICULAR TO THE FAR SIDE APPROACHING TRAFFIC ON THE MAJOR APPROACH.



TYPICAL MAST ARM POLE DETAIL



TYPICAL STEEL STRAIN POLE DETAIL



PEDESTAL POLE MOUNTED SIGNAL HEAD

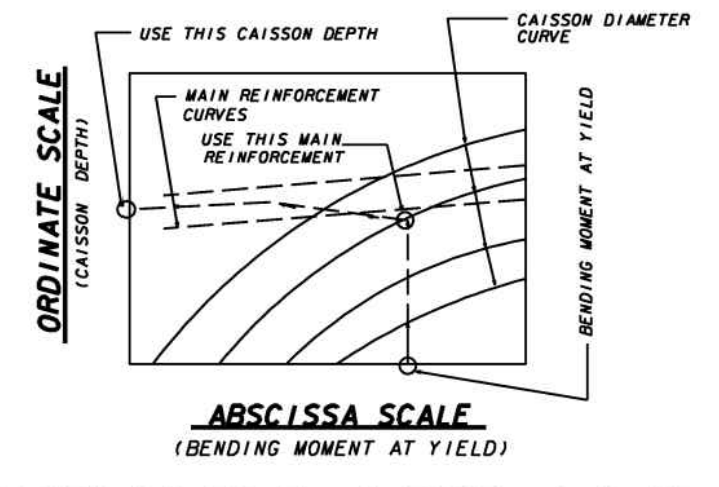
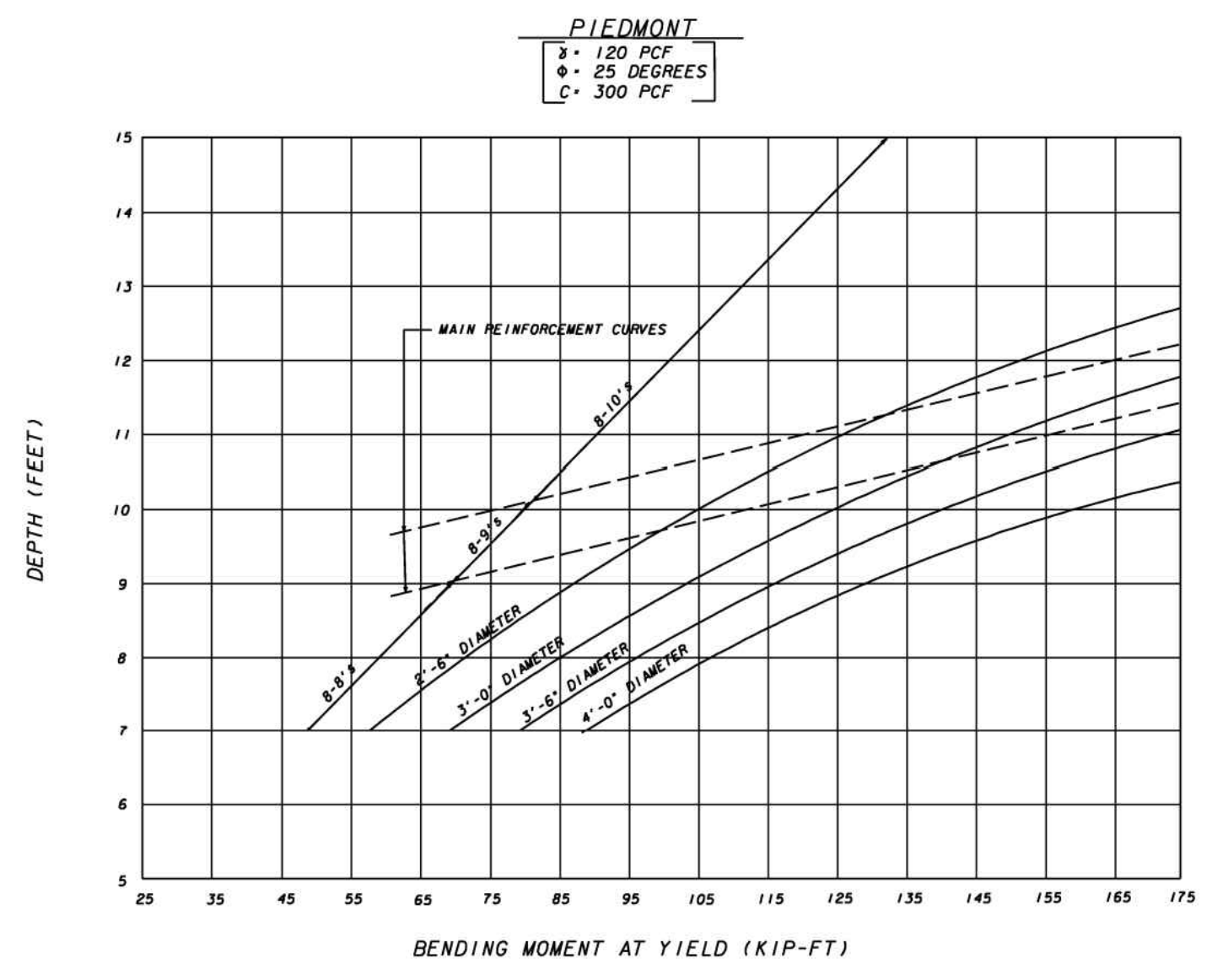
***NOTE:**
 CLEAR-ZONE WIDTH REQUIREMENTS ARE BASED ON AVERAGE DAILY TRAFFIC AND VEHICLE SPEEDS. SEE THE AASHTO "ROADSIDE DESIGN GUIDE" FOR GUIDANCE ON DESIGN OF CLEAR-ZONE AREAS.
 FOUNDATIONS SHALL BE INSTALLED ABOVE GRADE, BUT NOT EXCEED 4' MAXIMUM STUB HEIGHT TO LESSEN SAGGING OF THE UNDERCARRIAGE OF A VEHICLE

Guidelines For Usage On Metric Projects
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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
TRAFFIC SIGNAL DETAIL DETAILS OF METAL TRAFFIC SIGNAL SUPPORT STRUCTURES	
REV. BY:	DETAIL NUMBER
	TS-04
APRIL 2010	
NOT TO SCALE - REPORT ERRORS	

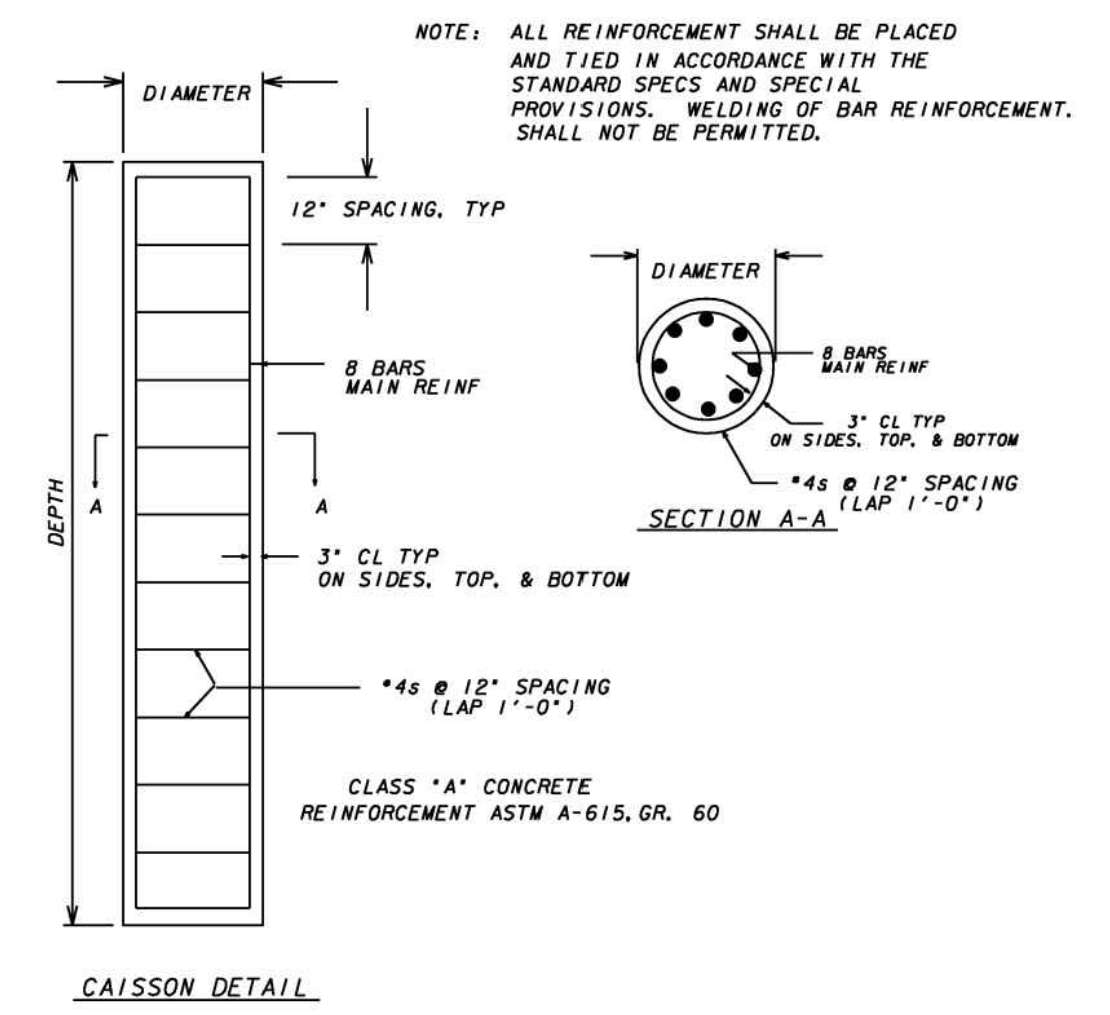
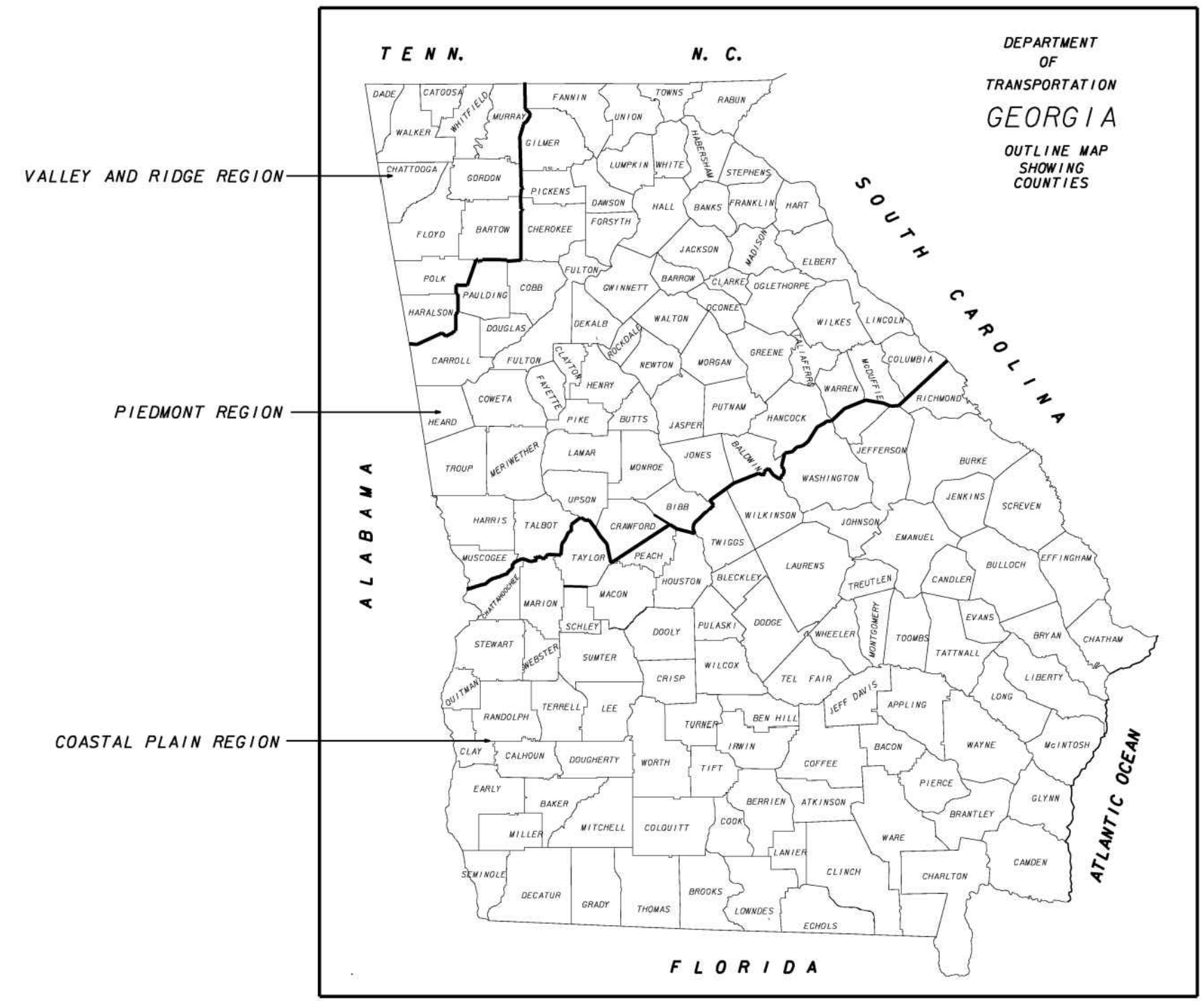
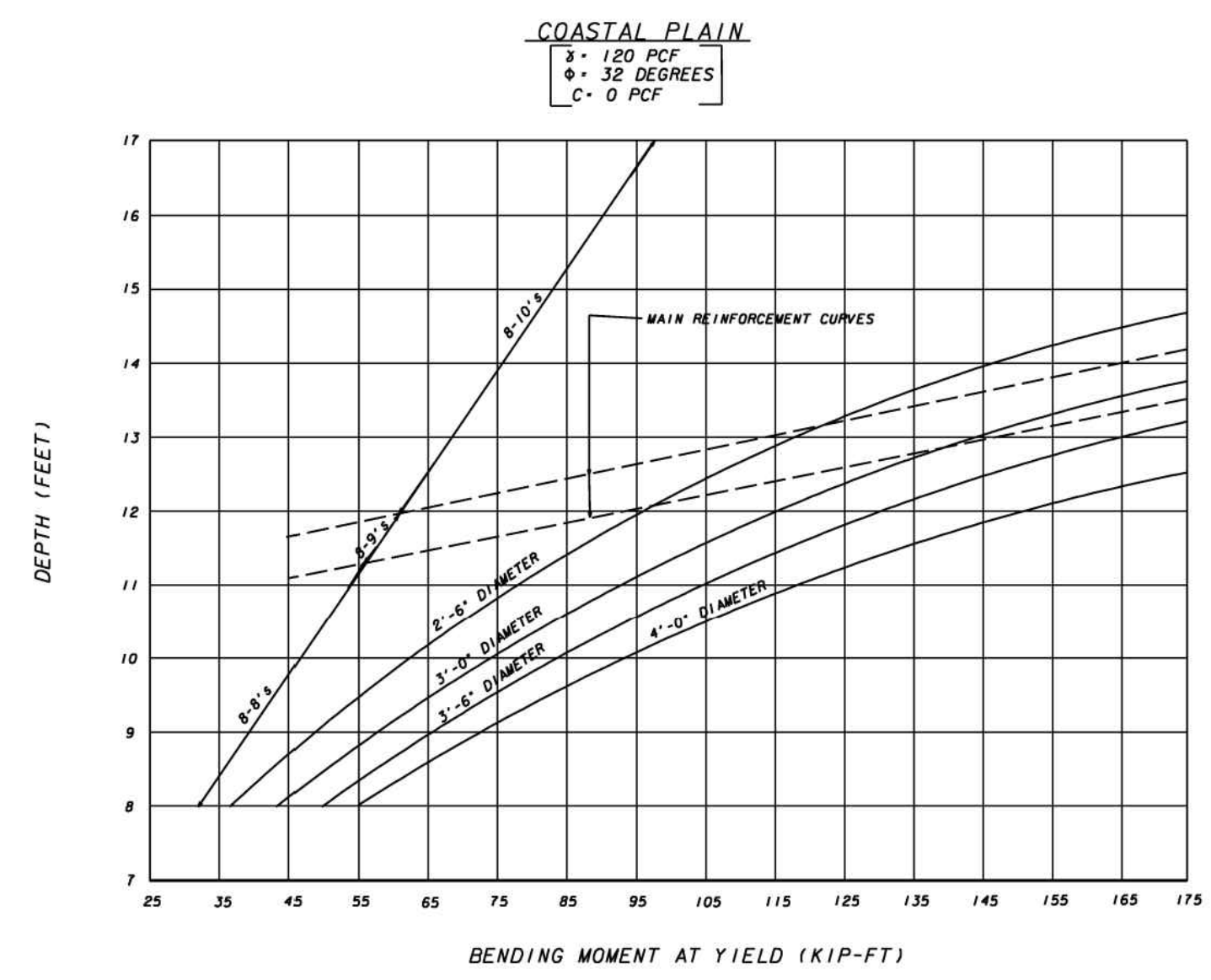
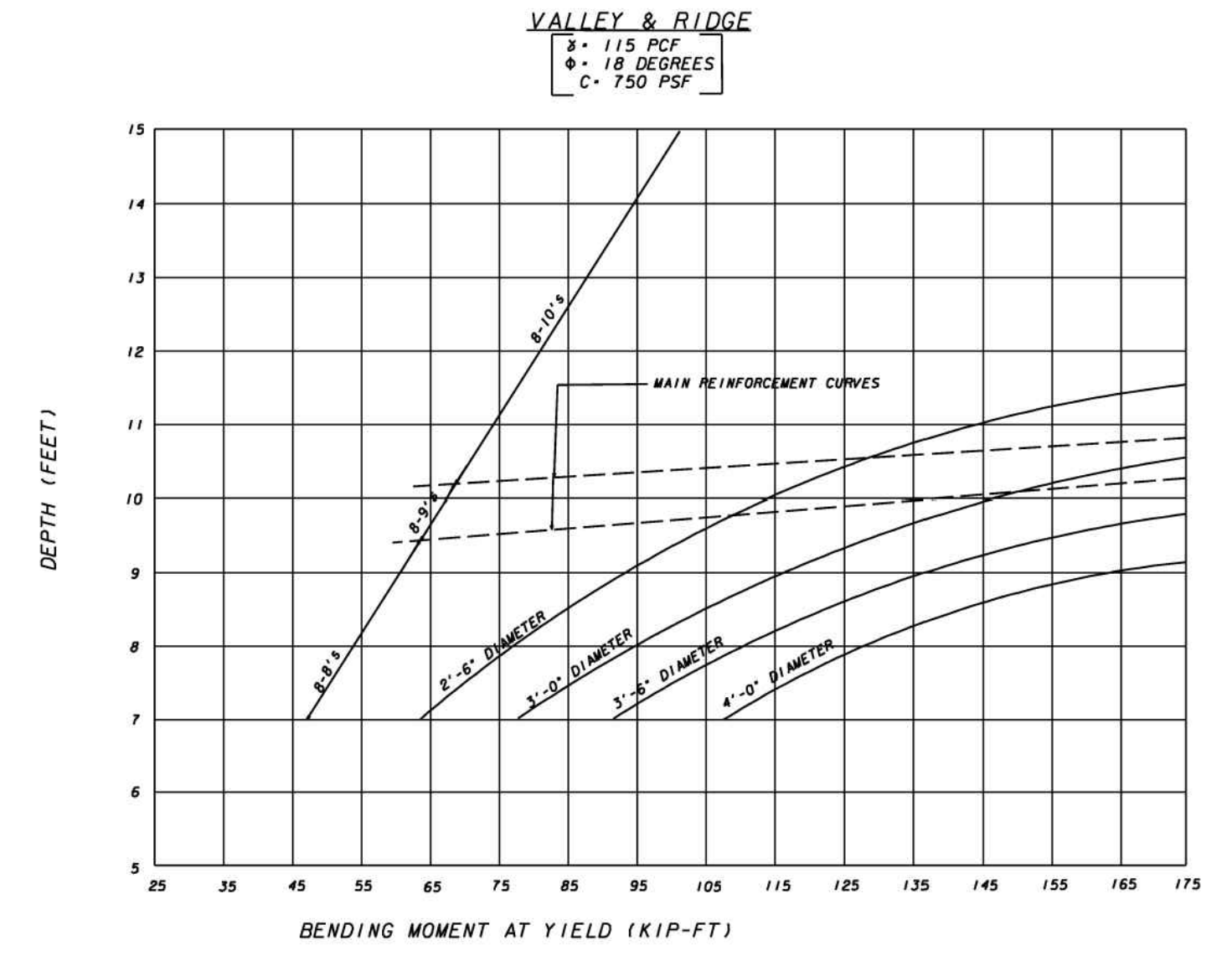
DESIGNED BY: RBJ	DATE: 2/22/2010	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE:
DWN BY: SPT	CHK BY: TN			40-001 (AW)	02/25/2010
SUBMITTED BY:				SIZE: 22" x 34"	PLOT SCALE: 1" = 11'
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK		 3000 Parkway Lane Clarkston, GA 30009 Phone: 678.387.7740 Fax: 678.387.7744			
POND		CONSTRUCTION DETAILS			
PONCE/CHURCH SIDEWALKS		SHEET IDENTIFICATION NUMBER 40-014			

STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				



PROCEDURE TO FIND FOOTING SIZE

1. DETERMINE "BENDING MOMENT AT YIELD" FROM APPROVED SHOP DRAWINGS
2. SELECT DIAMETER OF CAISSON.
3. READ "BENDING MOMENT AT YIELD" ON ABSCISSA SCALE. PROJECT A VERTICAL LINE UPWARD UNTIL THE DESIRED "CAISSON DIAMETER CURVE" IS INTERSECTED, TURN 90 DEGREES AND PROJECT A HORIZONTAL LINE UNTIL THE ORDINATE SCALE IS INTERSECTED.
4. READ THE REQUIRED "CAISSON DEPTH" FROM THE INTERSECTION POINT ON THE ORDINATE SCALE DEPTH SHALL BE INTERPOLATED TO THE NEAREST 3 INCH INCREMENT.
5. READ THE REQUIRED "MAIN REINFORCEMENT SIZE" FROM THE INTERSECTION POINT ON THE CAISSON DIAMETER CURVE.



DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
TRAFFIC SIGNAL DETAIL DETAILS OF STRAIN POLE AND MAST ARM FOUNDATIONS	
REV. BY:	DETAIL NUMBER
	TS-06
APRIL 2010	
NOT TO SCALE - REPORT ERRORS	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.: 10312019	100% SUBMITTAL	10312019	SEAL
DWN BY: SPT	CHK BY: TN	CONTRACT NO.:			
SUBMITTED BY:	FILE NAME: 40-001.DWG	FILE NUMBER:			
	SIZE: 22" x 34"	PLOT SCALE: 1" = 11'			
		PLOT DATE: 02/25/2019			
			MARK	DESCRIPTION	DATE
					APPR.

CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

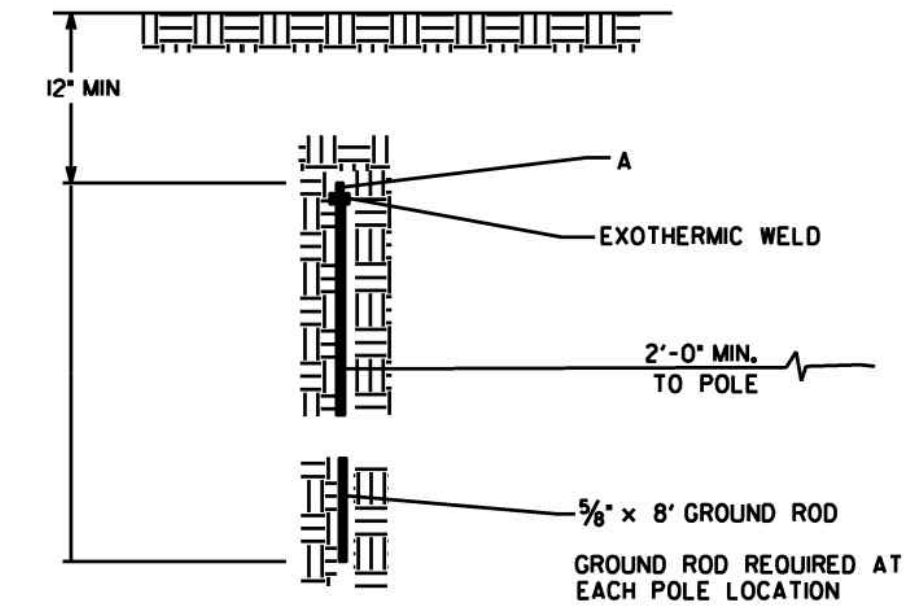
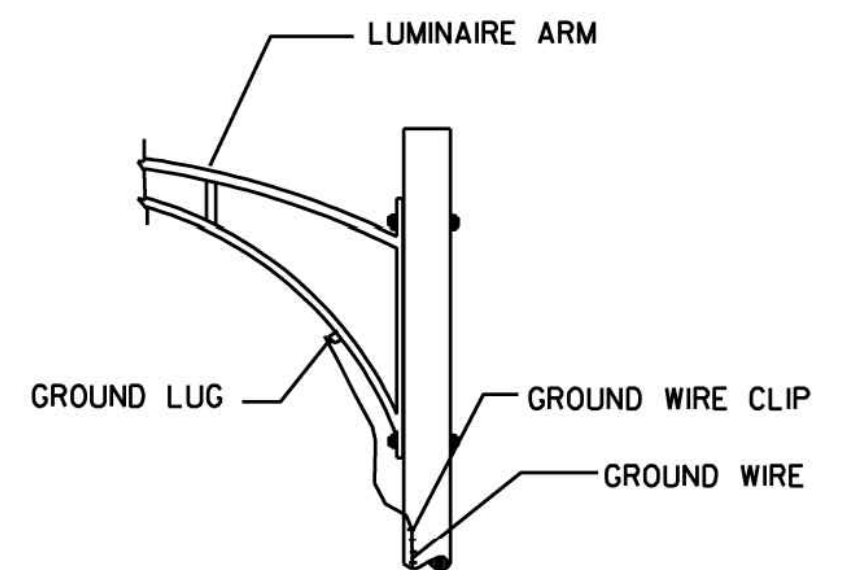
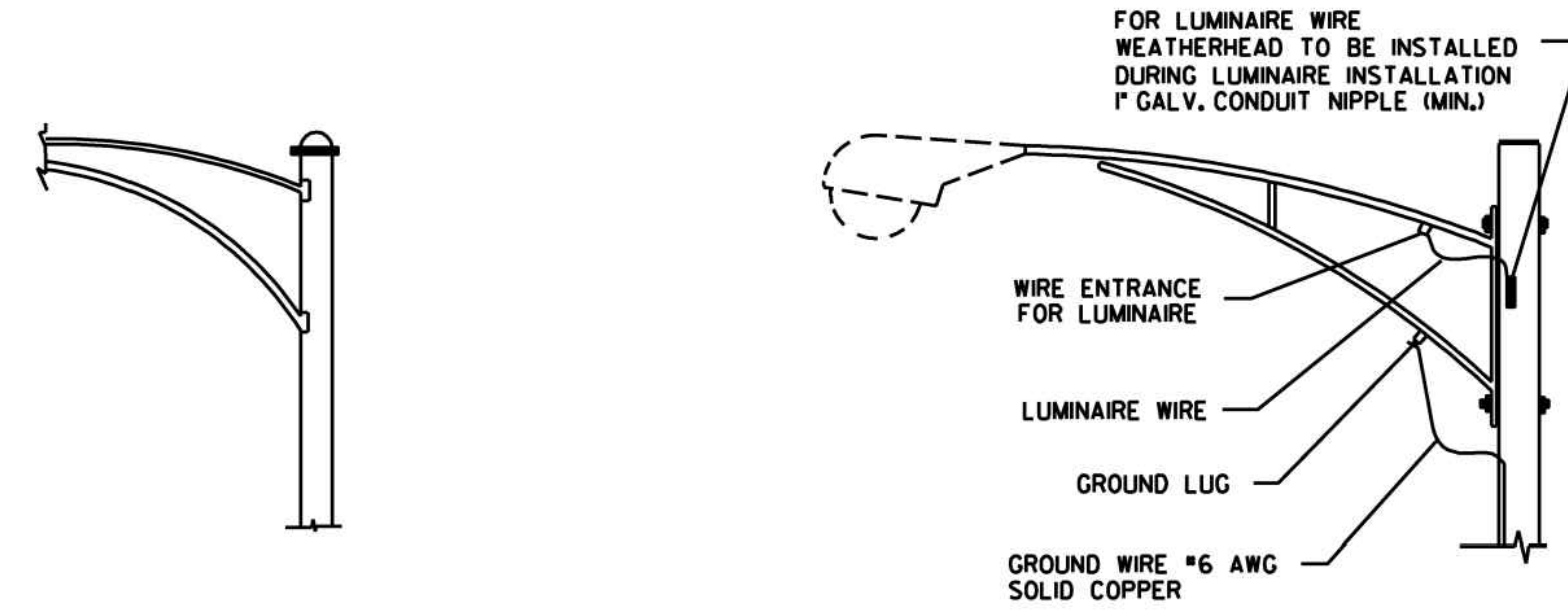
POND
 3000 Parkway Lane GA
 30096 SUITE 500
 Phone 678.387.7740
 POND PROJECT No. 1190154 Fax: 678.387.7744

PONCE/CHURCH SIDEWALKS

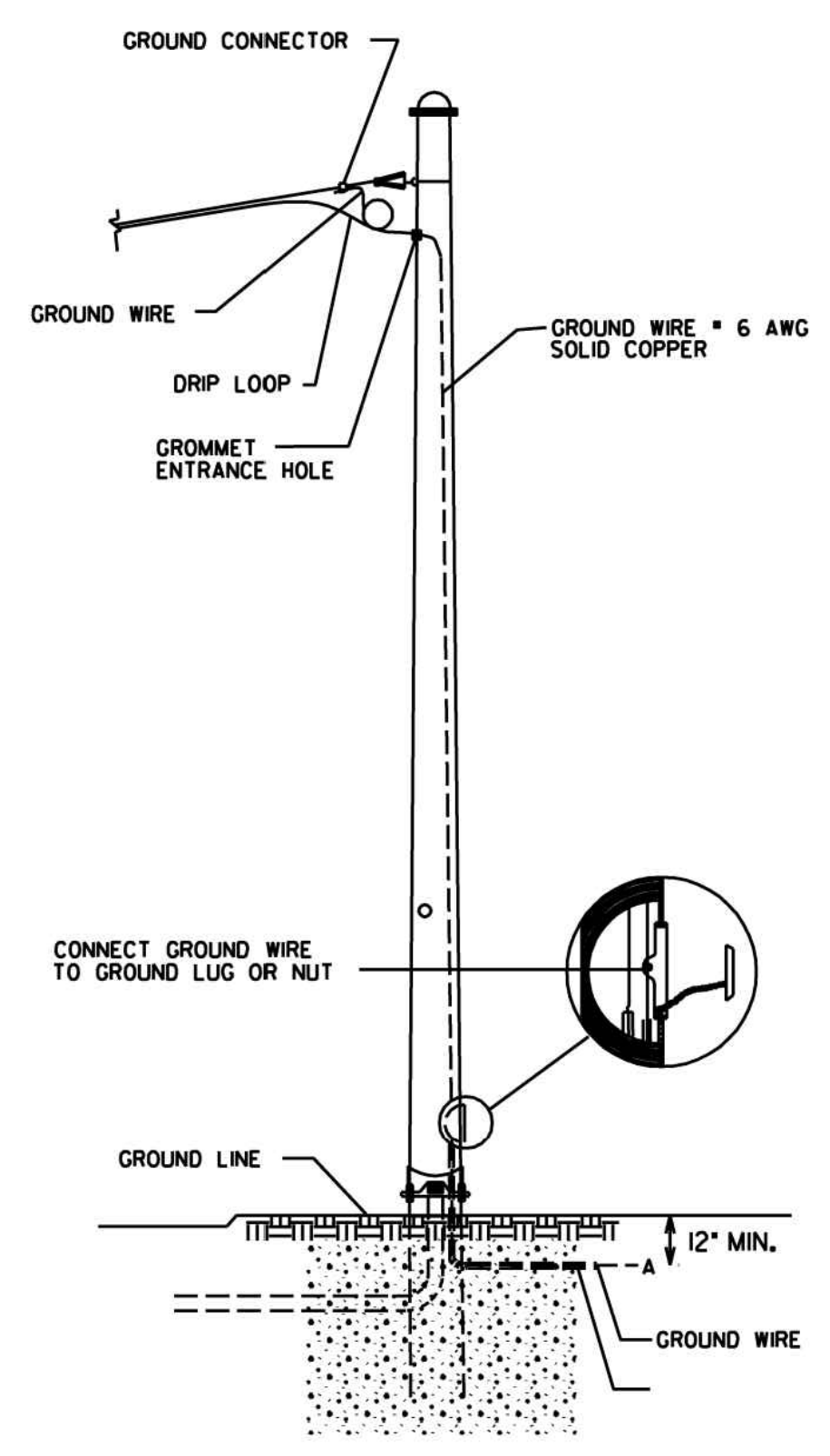
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-015

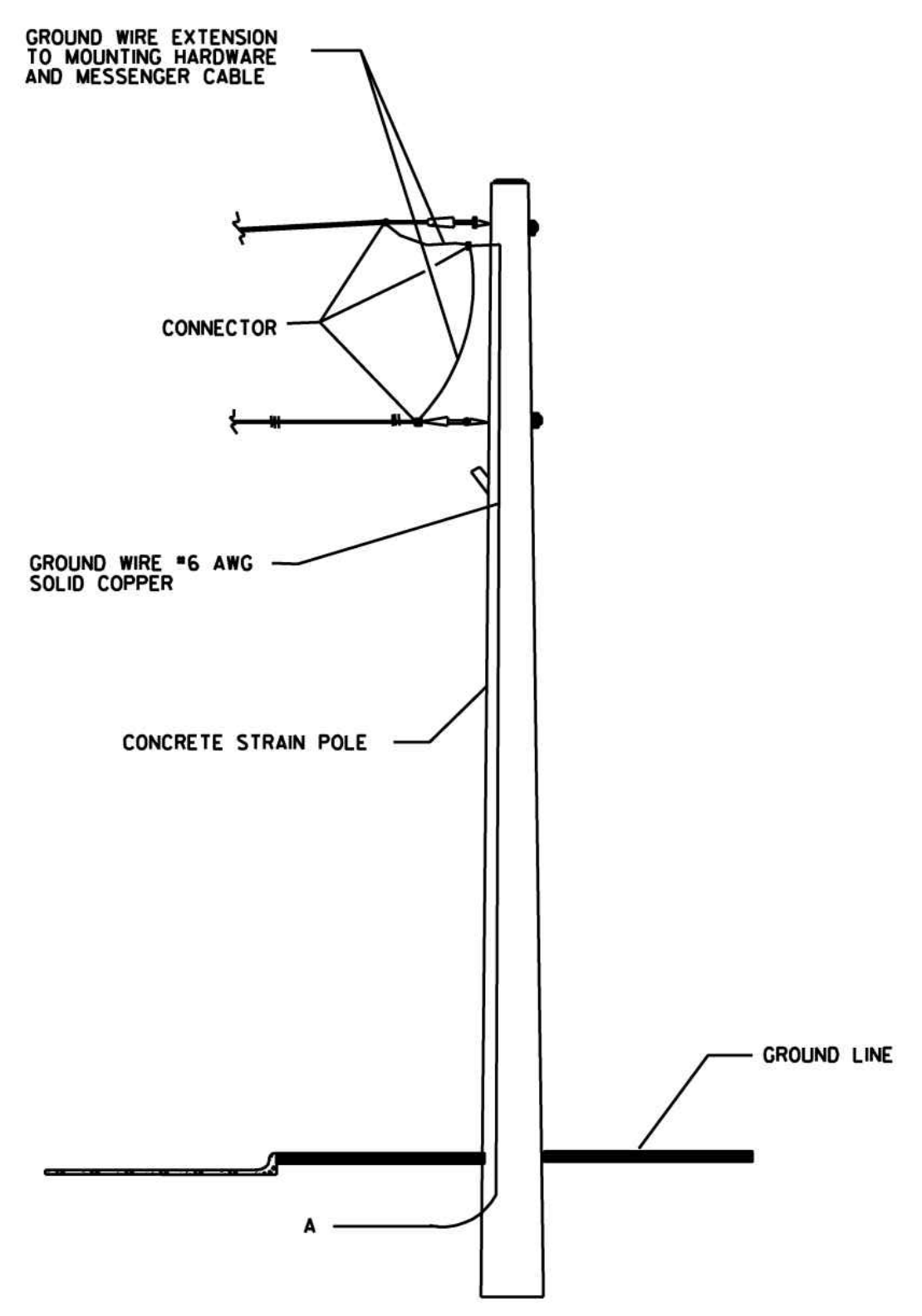
STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				



GROUNDING DETAIL

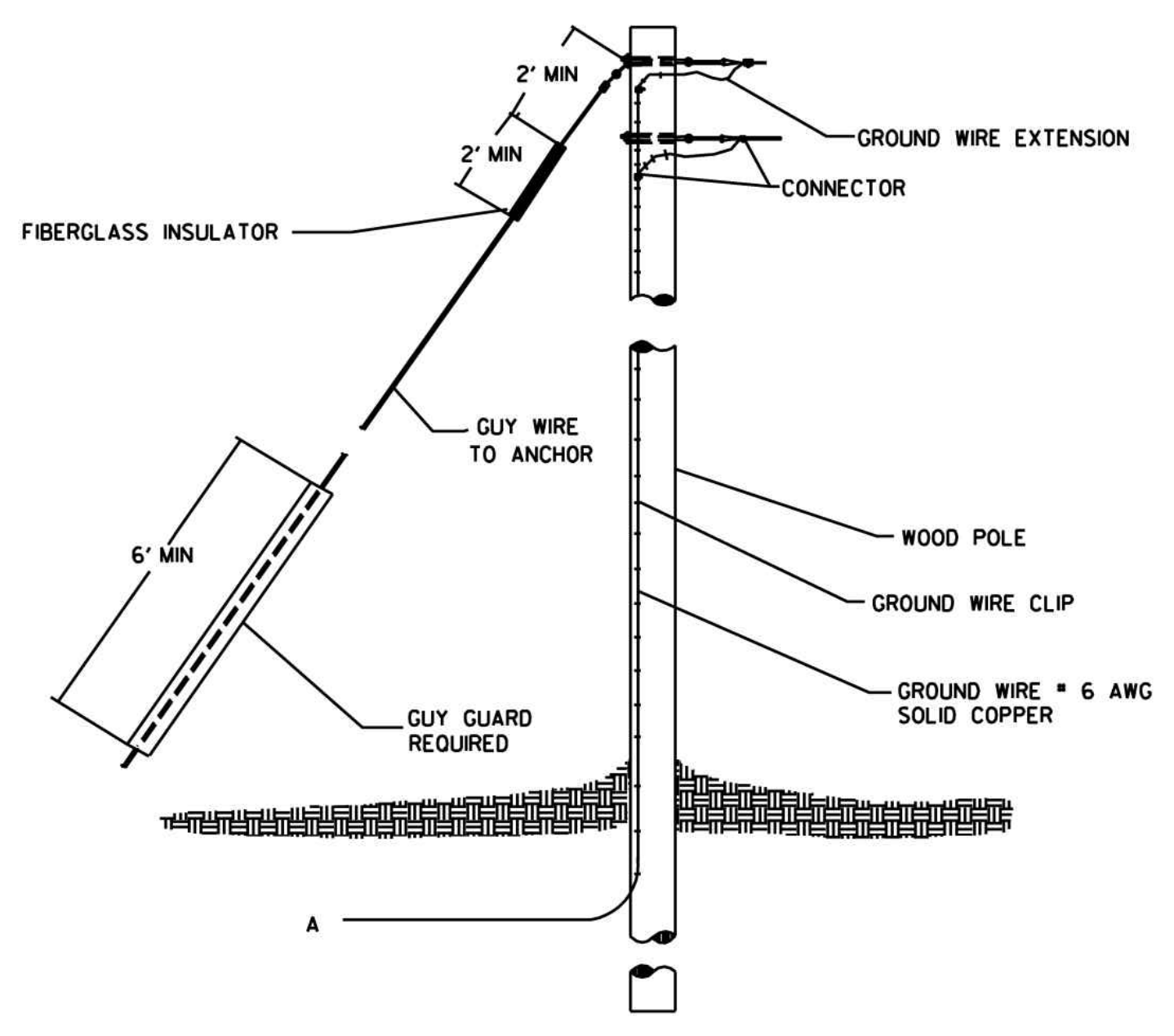


STEEL STRAIN POLE



CONCRETE STRAIN POLE

OVERHEAD SIGN GROUNDING SYSTEM SHALL CONFORM TO SECTION 647

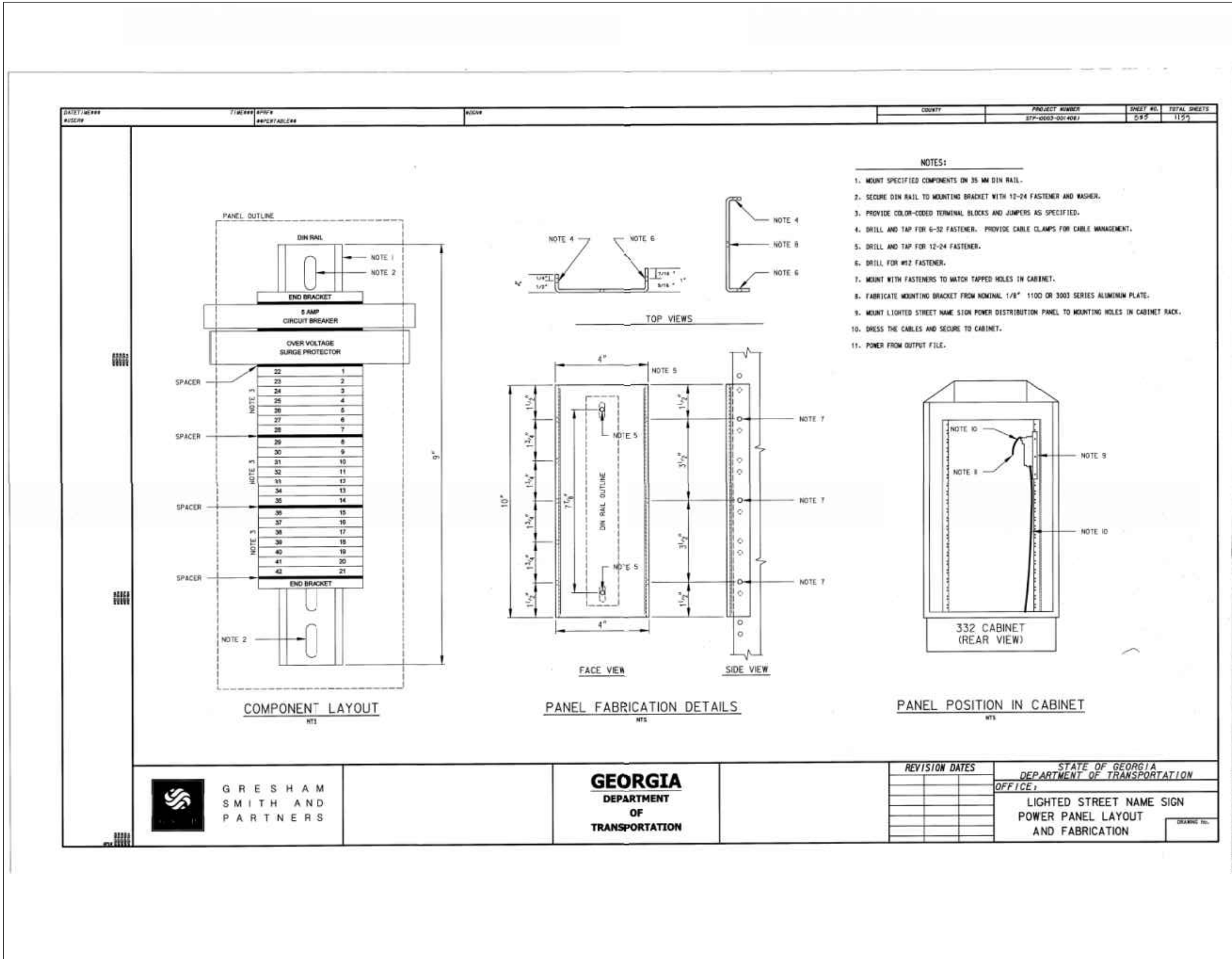
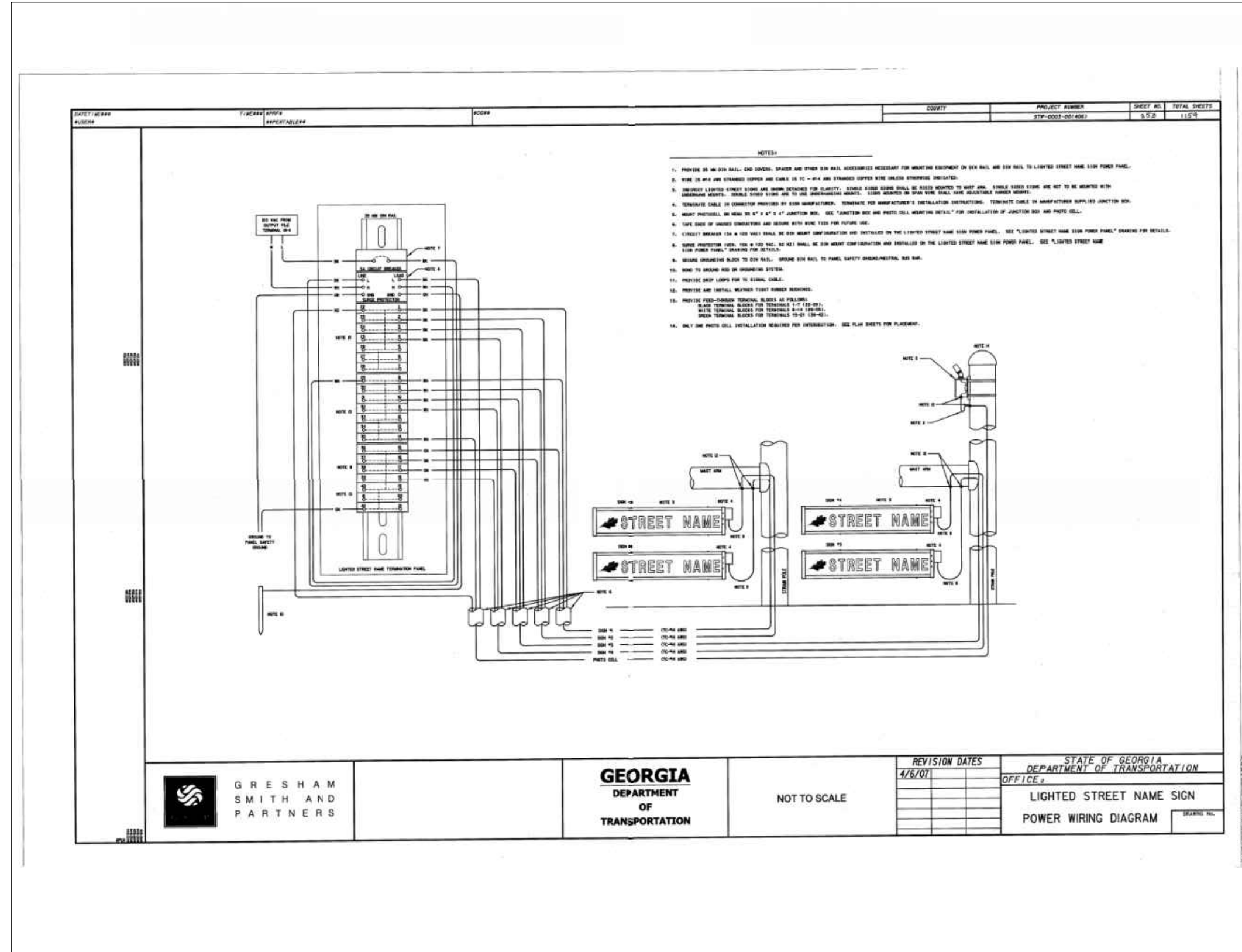
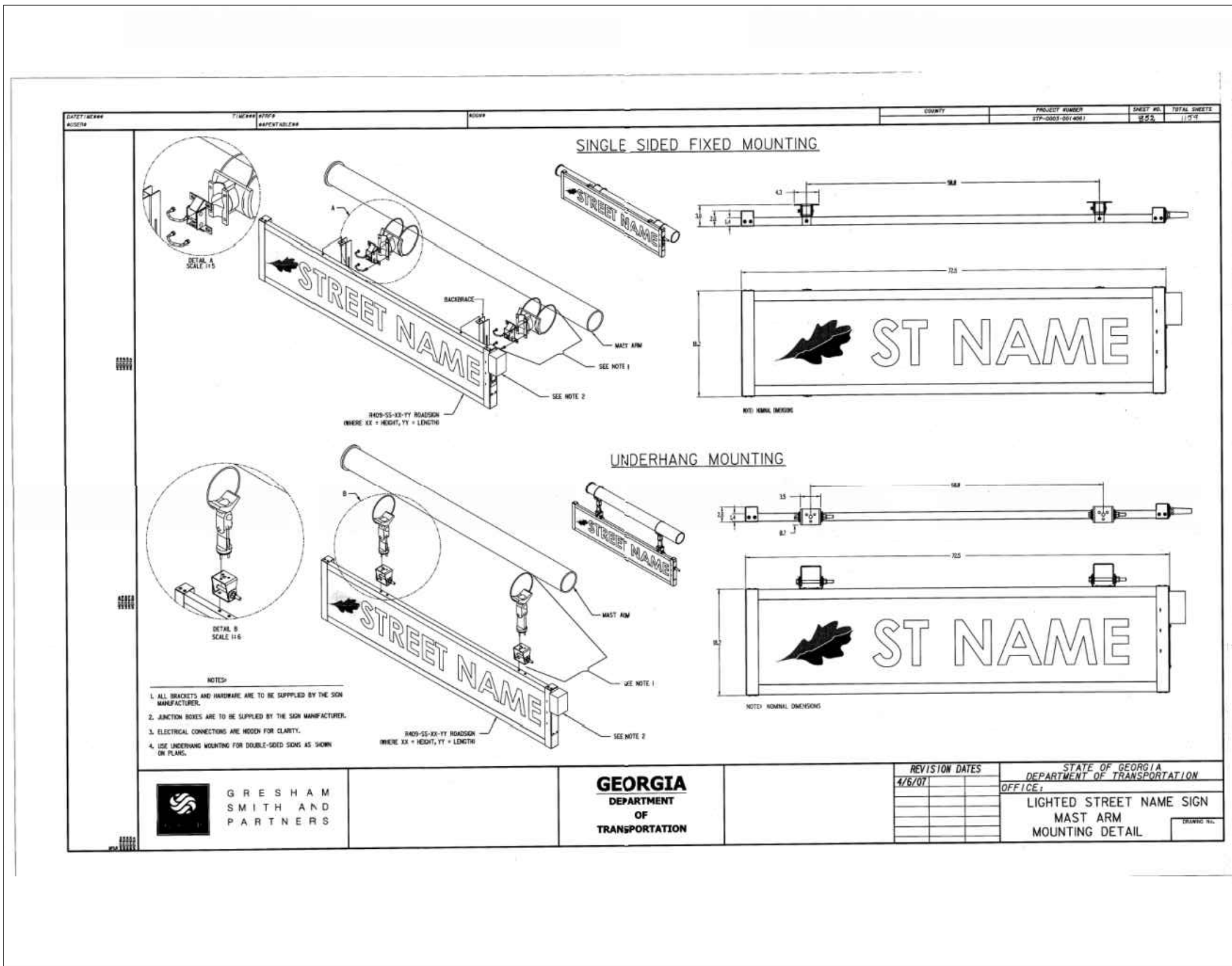
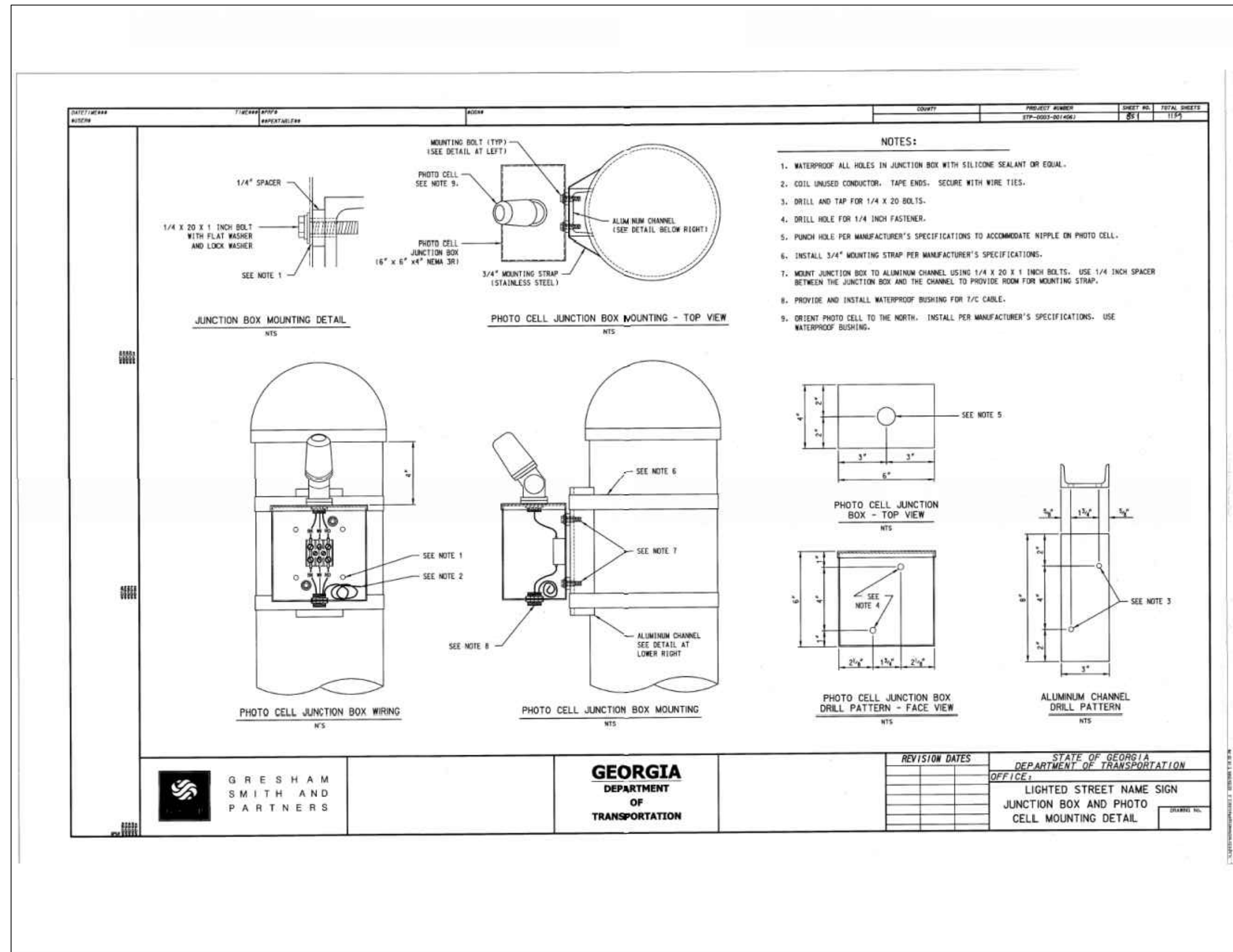


TIMBER POLE

Guidelines For Usage On Metric Projects
 When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1/8"=25mm, 1/4"=30mm, and 1/2"=100mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
TRAFFIC SIGNAL DETAIL GROUNDING DETAILS FOR TRAFFIC SIGNAL SUPPORT STRUCTURES I	
REV. BY:	DATE
REVISION DESCRIPTION	DATE
APRIL 2010	
NOT TO SCALE - REPORT ERRORS	
DETAIL NUMBER TS-07	

SEAL	
1/31/2019 100% SUBMITTAL MARK DESCRIPTION DATE APPR.	
DESIGNED BY: RBJ DATE: 2/22/2019 DWN BY: SPT CHK BY: TN SUBMITTED BY:	SOLICITATION NO.: CONTRACT NO.: FILE NAME: 40-001.dwg FILE NUMBER: PLOT DATE: 02/25/2019 PLOT SCALE: 1:1 SIZE: 22" x 34"
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK 3000 Parkway Lane GA 30092 SUITE 500 Phone 678.338.7740 POND PROJECT No.1190154 Fax: 678.338.7744	
PONCE/CHURCH SIDEWALKS CONSTRUCTION DETAILS	
SHEET IDENTIFICATION NUMBER 40-016	



100% SUBMITTAL

1/31/2019

DATE

APPR.

MARK

DESCRIPTION

DESIGNED BY: RBJ
 DATE: 2/22/2019
 DWN BY: SPT
 CHK BY: TN
 SUBMITTED BY: 40-01 DWG
 SOLICITATION NO.:
 CONTRACT NO.:
 FILE NAME: 40-01 DWG
 PLOT SCALE: 1:1
 PLOT DATE: 02/25/2019

CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

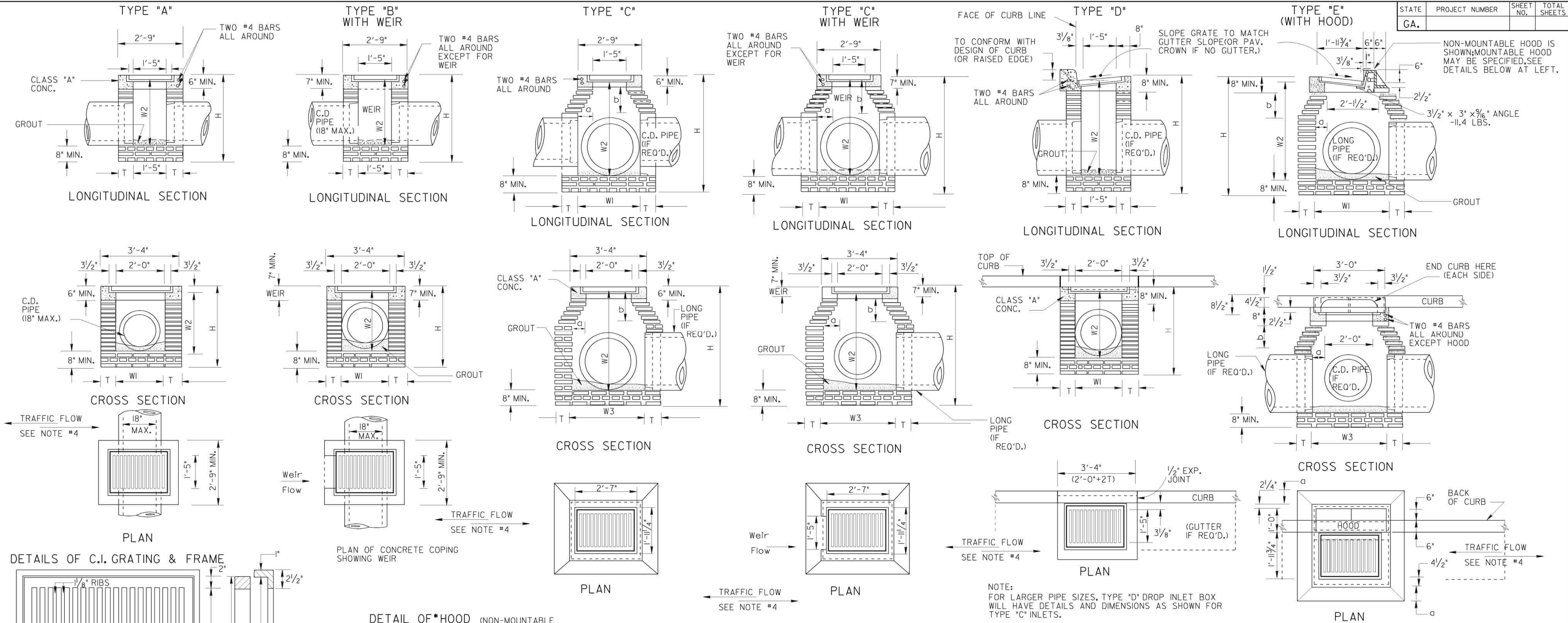
3500 Parkway Lane
 Clarkston, GA 30006
 Phone 678.336.7740
 Fax 678.336.7744

POND
 POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
 CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
 40-017

100% DRAWINGS



SPECIAL NOTE:
STANDARD 1019A INLETS ARE FOR USE AT LOW POINTS & WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD 1019B IS RECOMMENDED.

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD AND CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE RIGID PAVEMENT, CONCRETE SIDEWALK OR CONCRETE GUTTER MEETS DROP INLETS.
3. ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE ONLY TYPICAL. SEE PLANS FOR ACTUAL PIPE CULVERT REQUIREMENTS.
4. ALL TYPE DROP INLETS WILL BE CONSTRUCTED (AS SHOWN), SO THAT THE GRATE BARS ARE PERPENDICULAR TO THE FLOW OF TRAFFIC EXCEPT ON LIMITED ACCESS PROJECTS OR WHERE BICYCLES ARE PROHIBITED.
5. BRICK MASONRY WITH CLASS "A" CONC. TOP PORTION IS SHOWN AS STANDARD CONSTRUCTION WITH ALTERNATES PERMITTED AS SHOWN. BOTTOM SLAB MAY BE 8" MIN. NON-REINFORCED CONCRETE, 8" BRICK OR 6" MIN. REINFORCED CONCRETE. SEE APPLICABLE STANDARDS FOR ALTERNATE PRECAST CONSTRUCTION.

CONSTRUCTION ALTERNATES

NOTE: CONCRETE WALLS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS, BUT WHERE H IS OVER 9 FT., AND PIPE IS OVER 30" I.D., THE HORIZONTAL STEEL, WHICH IS MORE THAN 9 FT. DEEP WILL BE INCREASED TO 6" SPACINGS. 6" CONC. BOTTOM SLABS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS.

NOTE: FOR PRECAST ALTERNATES, SEE STD. 1019-A PRECAST AND/OR STD. 1040 PRECAST AND BUILT-IN-PLACE COMPONENTS MAY BE USED IN COMBINATIONS WHICH PROVIDE PROPER FITS AND STRUCTURAL ADEQUACY.

TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS

D	TYPES "A" OR "B" BRICK OR REINF. CONC.			TYPE "C" OR "D" (BRICK)					TYPE "E" (BRICK)					TYPE "C", "D" OR "E" (REINFORCED CONCRETE)								
	W1	W2	H(min)	W1	W2	W3	Q (MAX.)	b	H(min.)	W1	W2	W3	Q (MAX.)	b	H(min.)	W1	W2	W3	Q (MAX.)	b	H(min.)	
15"	2'-0"	2'-7"	3'-3 1/2"	2'-2 1/8"	2'-1 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 7/8"	3'-9 1/2"	3'-2 1/8"	3'-1"	3'-0 5/8"	0'-7 3/8"	1'-11/8"	3'-11 1/2"	2'-0"	2'-1"	2'-7"	2'-0"	3 1/2"	6"	3'-6"
18"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 7/8"	4'-1"	3'-2 1/8"	3'-4 1/2"	3'-0 5/8"	0'-7 3/8"	1'-11/8"	4'-1"	2'-0"	2'-1"	3'-0"	2'-0"	3 1/2"	6"	3'-11"
24"	~	~	~	2'-8 1/8"	3'-3 1/8"	3'-3 1/8"	0'-7 3/8"	1'-11/8"	4'-9"	3'-2 1/8"	3'-11 1/2"	3'-0 5/8"	0'-7 3/8"	1'-11/8"	4'-8 1/4"	2'-8"	2'-9"	3'-8"	2'-6"	6 1/2"	11 1/4"	4'-7"
30"	~	~	~	3'-7 1/4"	4'-0 1/4"	3'-10 1/4"	1'-0 1/8"	1'-9"	5'-10"	3'-5 1/2"	4'-8 3/8"	3'-4"	0'-8"	1'-11/8"	5'-6 1/2"	3'-4"	3'-6"	4'-9"	3'-0"	9 1/2"	16 1/2"	5'-10"
36"	~	~	~	4'-1 1/8"	6'-0 5/8"	4'-8 1/8"	1'-4 1/8"	2'-2 1/4"	6'-11 1/8"	3'-11 1/2"	5'-8 3/8"	3'-10"	0'-11"	1'-7 1/8"	6'-7 1/8"	3'-10"	4'-0"	5'-10"	3'-9"	1'-2"	2'-0"	6'-10"
42"	~	~	~	4'-5"	7'-1 3/4"	5'-0"	1'-6"	2'-7 3/8"	8'-0 1/4"	4'-6 1/2"	7'-5 1/8"	4'-5"	1'-2 1/2"	2'-1 3/8"	8'-4 3/8"	4'-5"	4'-6"	7'-0"	4'-3"	1'-5"	2'-5 1/2"	7'-11"
48"	~	~	~	4'-5"	8'-2 3/4"	5'-7"	1'-9 1/2"	3'-1 1/4"	9'-1 1/4"	5'-11 1/2"	8'-6 1/8"	5'-0"	1'-6"	2'-7 3/8"	9'-5 3/8"	5'-0"	5'-0"	5'-0"	1'-9 1/2"	3'-1 1/2"	9'-2"	9'-2"
54"	~	~	~	5'-7"	9'-4"	6'-2"	2'-1"	3'-7 1/2"	10'-2 1/2"	5'-8 1/2"	9'-7 3/4"	5'-7"	1'-9 1/2"	3'-1 1/4"	10'-6 1/4"	5'-6"	5'-6"	9'-2"	5'-6"	2'-0 1/2"	3'-6 1/2"	10'-0"
60"	~	~	~	6'-2"	1'-4 3/8"	6'-9"	2'-4 1/2"	4'-1 3/8"	11'-3 1/4"	6'-3 1/2"	10'-8 3/8"	6'-2"	2'-1"	3'-1 3/8"	1'-7 3/8"	6'-0"	6'-0"	10'-3"	6'-0"	2'-3 1/2"	4'-0"	11'-1"

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DESIGNED BY: RBJ
 DATE: 2/22/2019
 DWG BY: SPT
 CHECKED BY: TN
 SUBMITTED BY: 40-001 (AW)
 FILE NAME: 40-001 (AW)
 SIZE: 22" x 34" 1:1
 PLOT SCALE: 1:1
 PLOT DATE: 02/25/2019

100% SUBMITTAL

101/2019

MARK

DATE

APPR.

DESCRIPTION

SEAL

CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

3000 Parkway Lane
 Clarkston, GA 30006
 Phone 678.388.7740
 Fax 678.388.7744

POND

POND PROJECT No. 1190154

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA

STANDARD
 DROP INLETS
 (BUILT-IN-PLACE)

SCALE AS SHOWN

REV. & REDR. AUG., 1999

DES. (SUBMITTED) *James L. Eubank*
 REV. STATE ROAD & AIRPORT DESIGN ENGR.
 TRA. (APPROVED) *Tom L. Eubank*
 CHK. CHIEF ENGINEER

NUMBER
 1019A

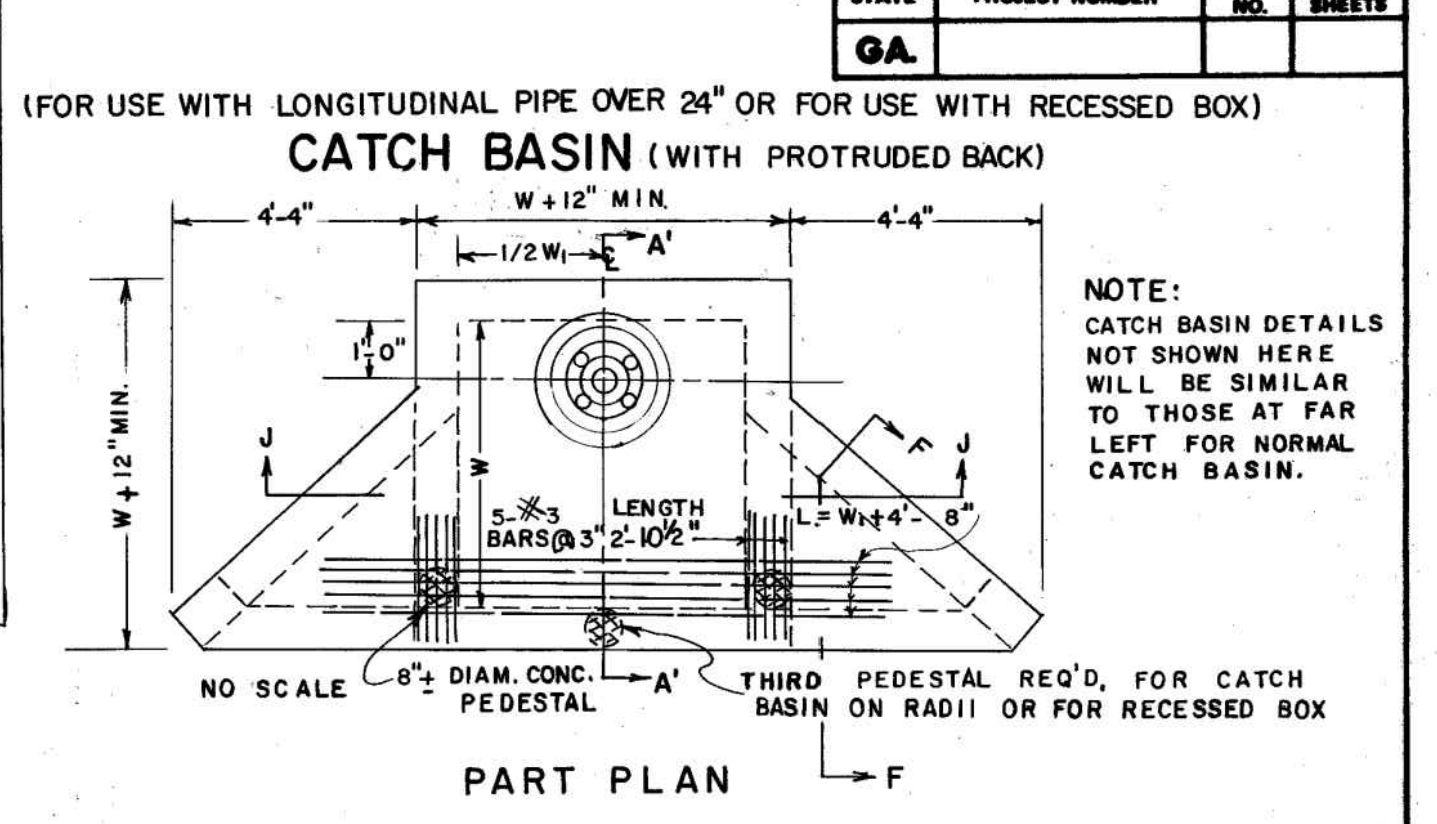
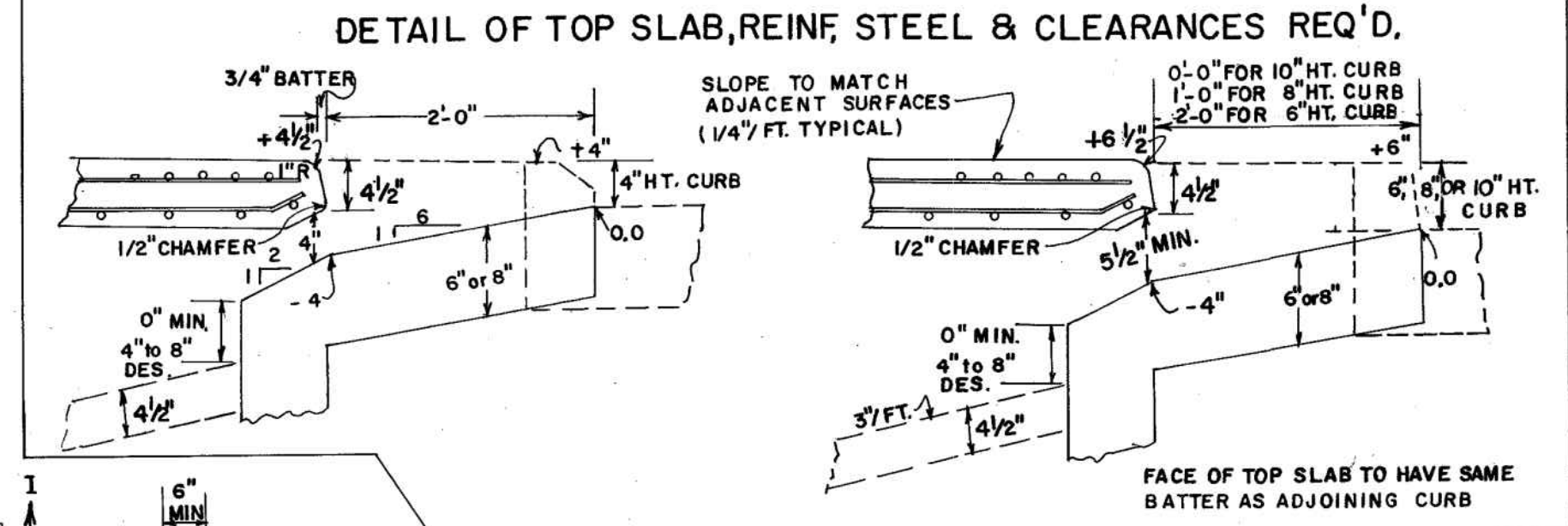
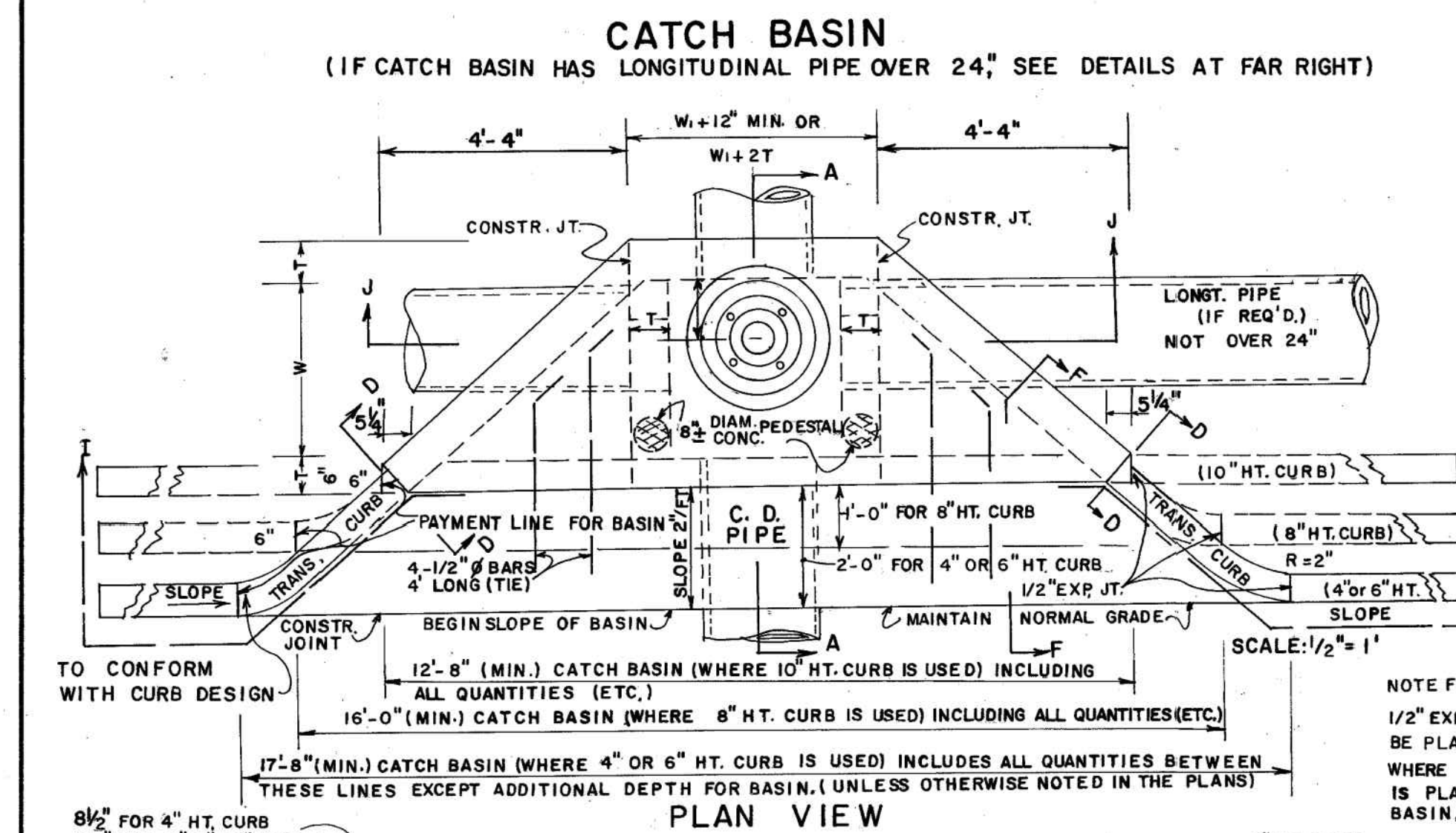
PONCE/CHURCH SIDEWALKS

GEORGIA STANDARDS

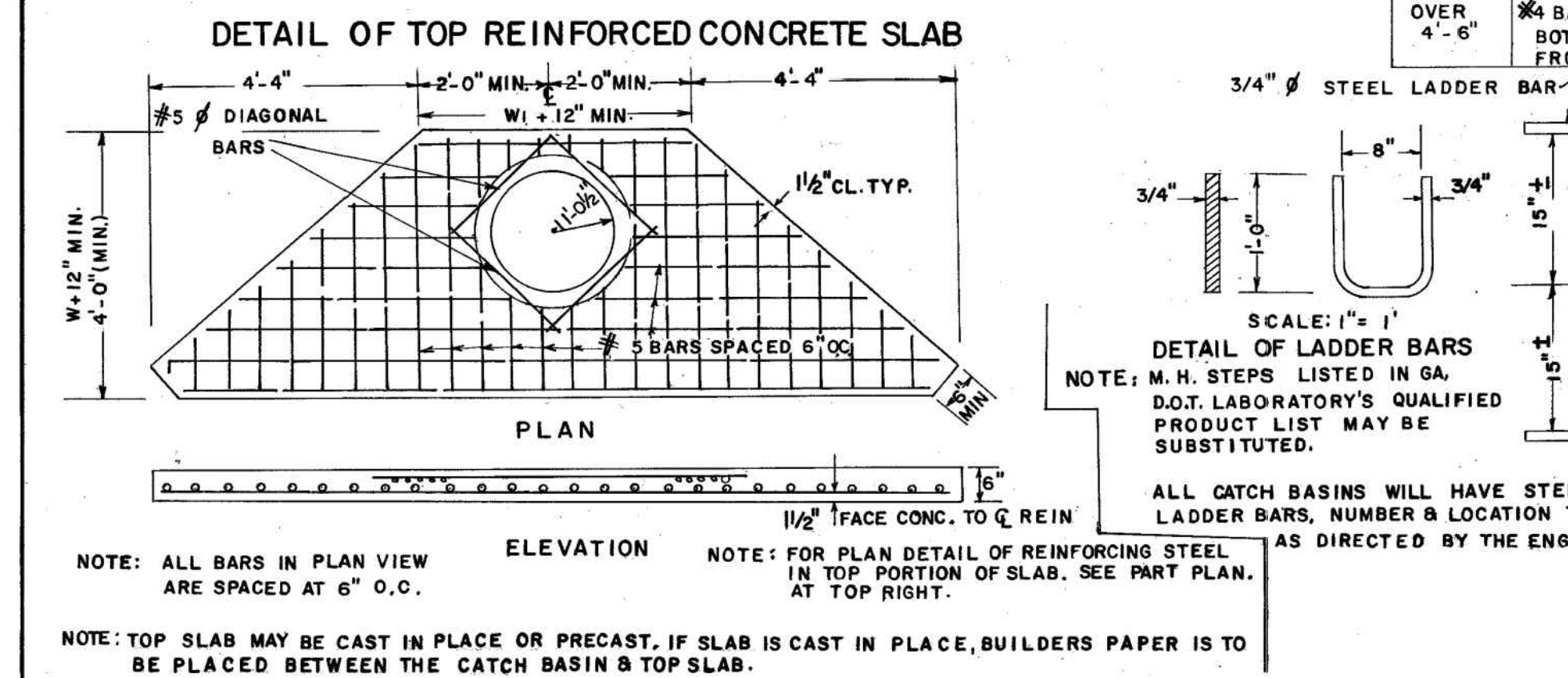
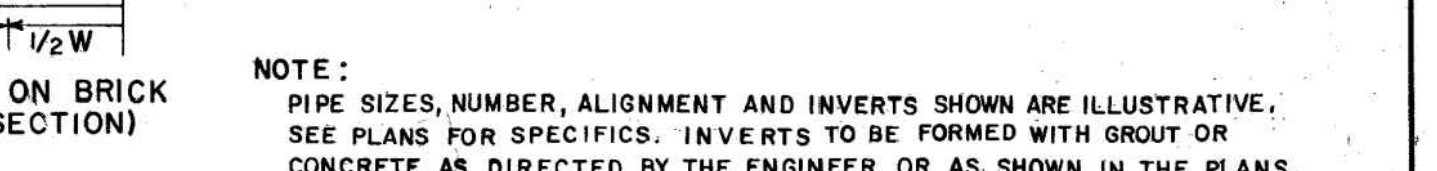
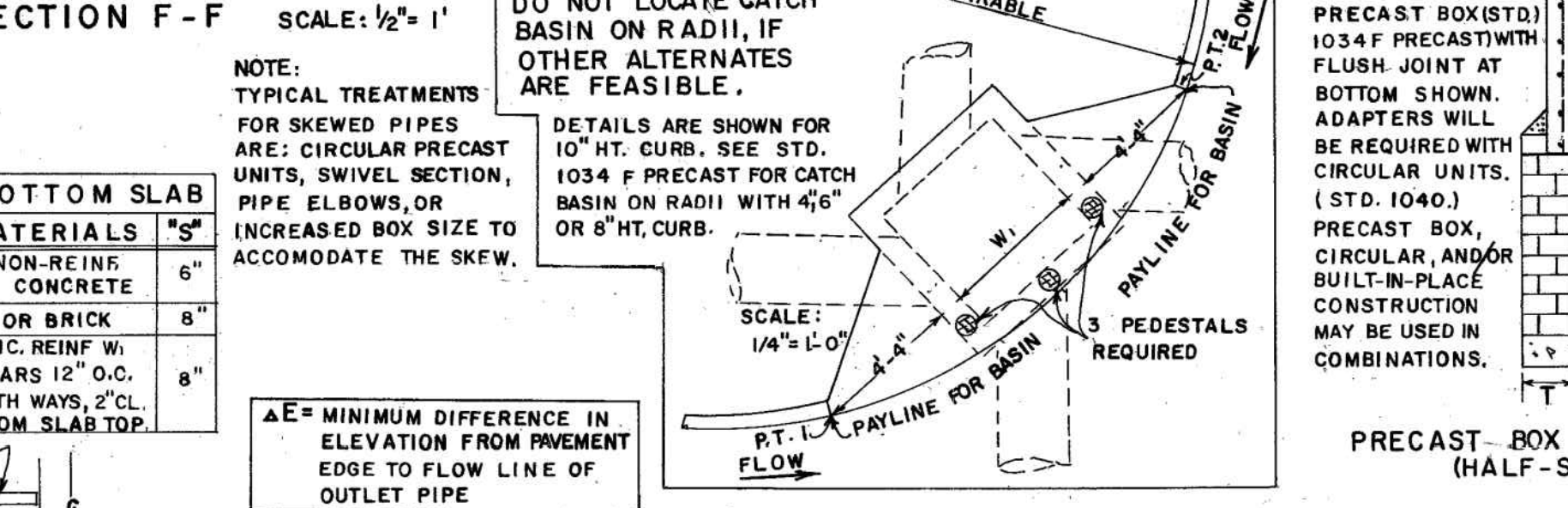
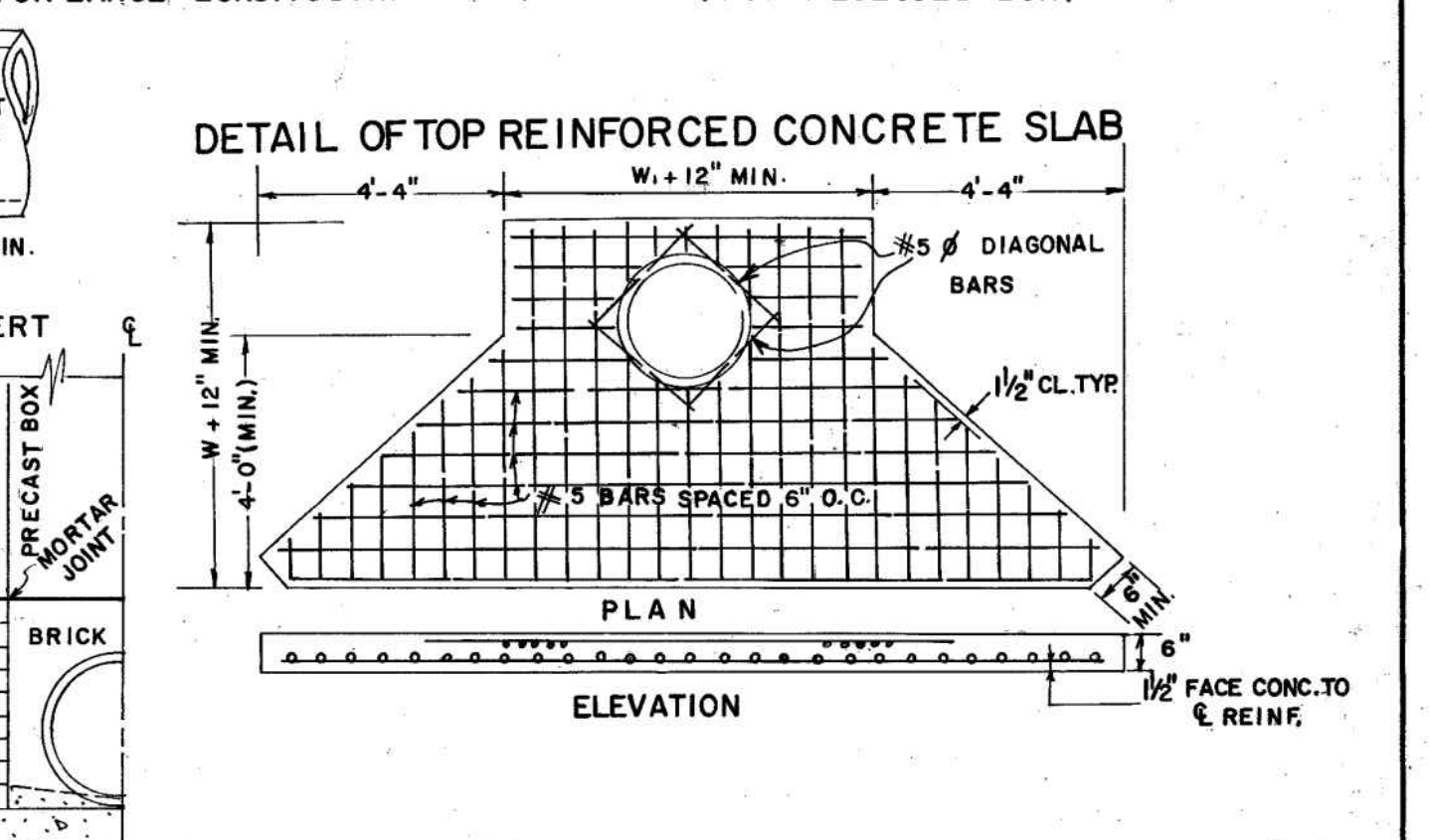
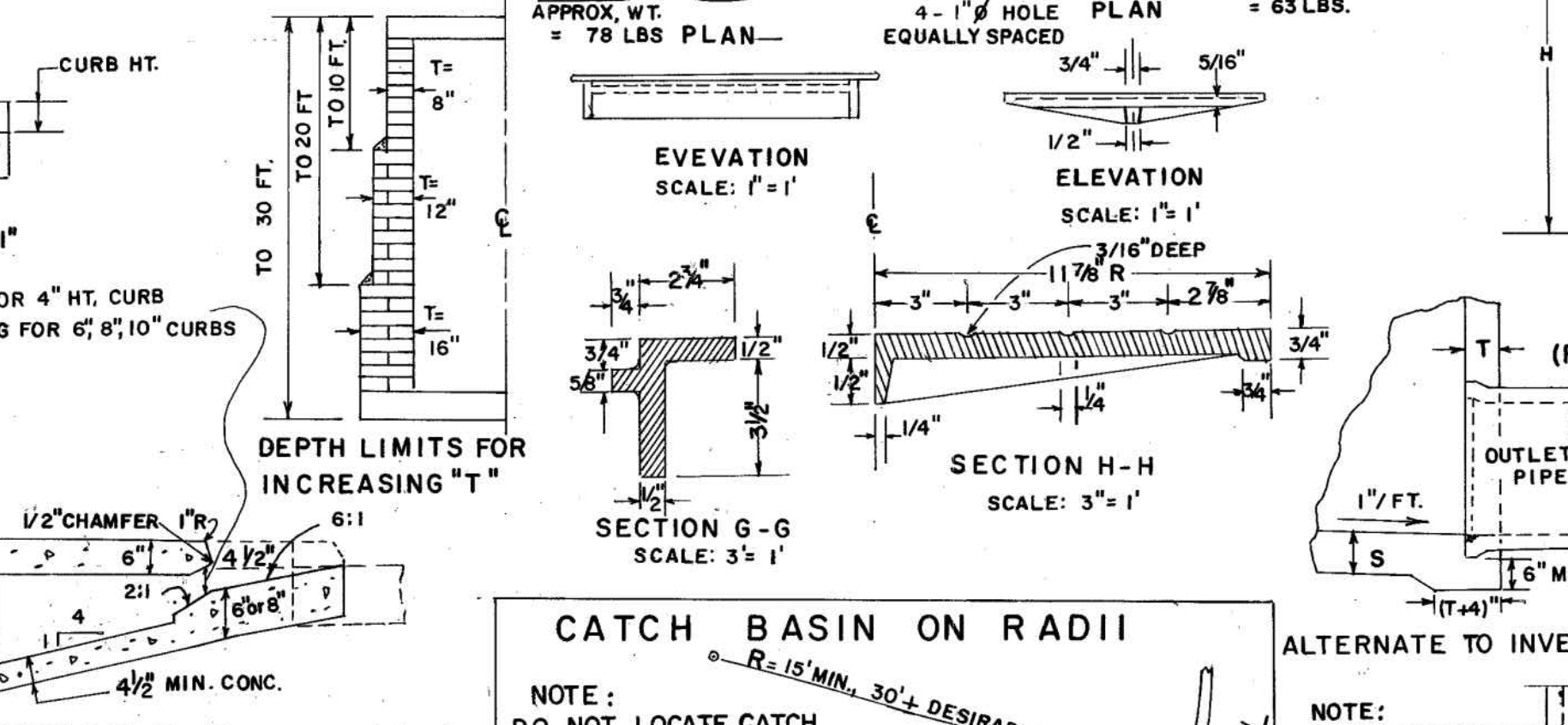
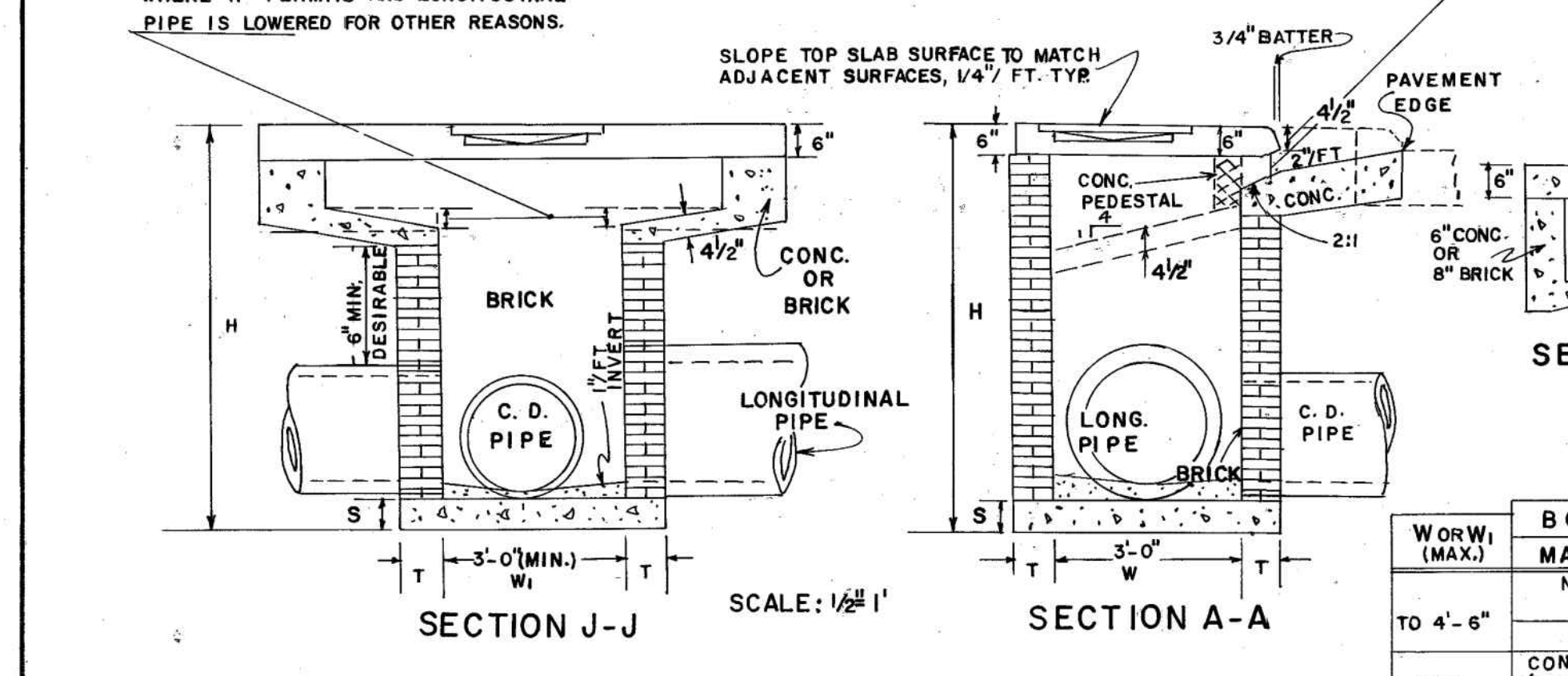
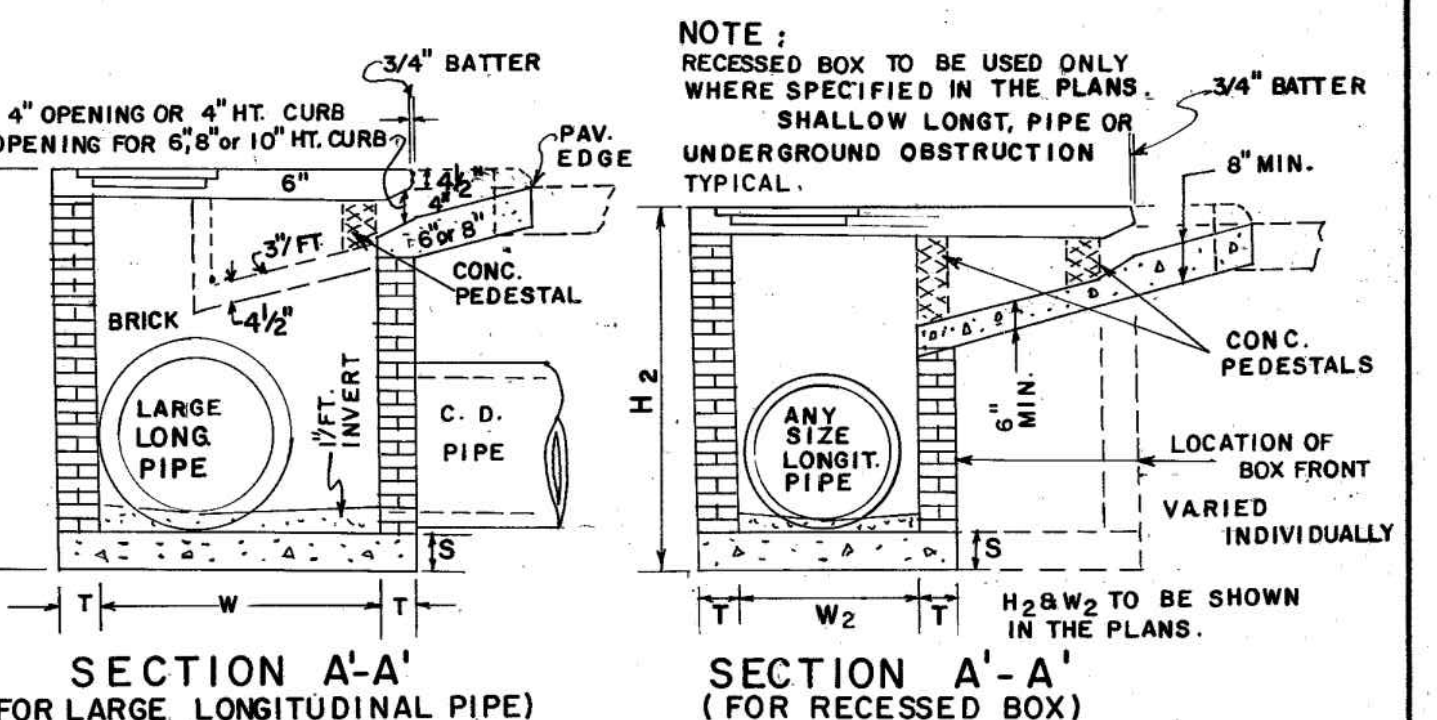
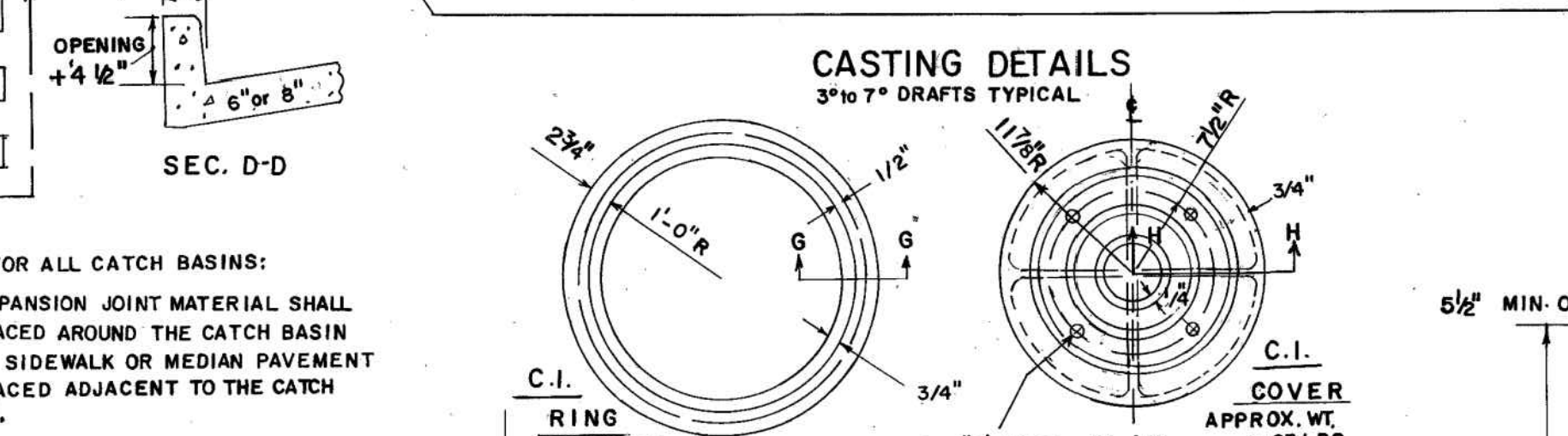
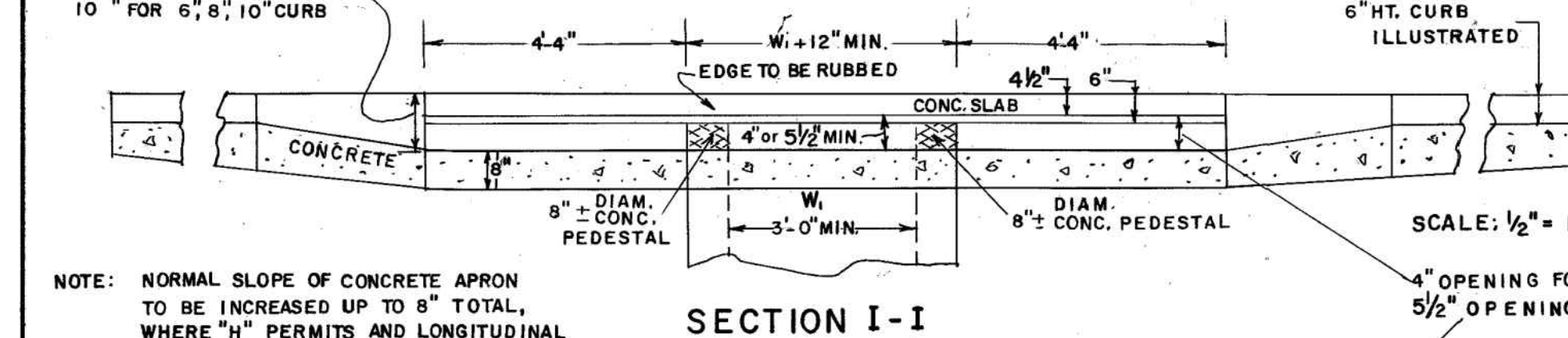
SHEET IDENTIFICATION NUMBER
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100% DRAWINGS

AP 21008



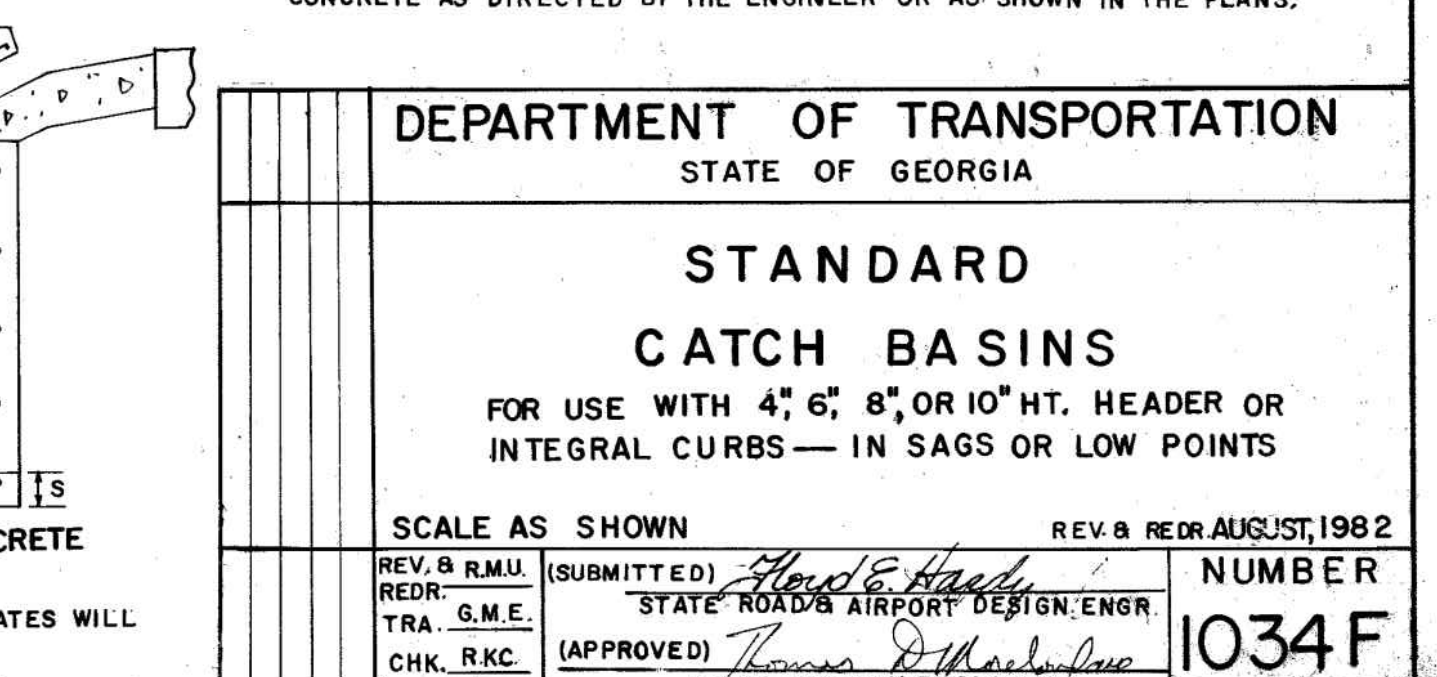
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



TYPICAL MIN. DIMENSIONS

PIPE DIA.	H (MIN.)	W OR W1 (MIN.)	E (MIN.)
12	4'-4"	3'-0"	3'-1"
15	4'-7"	3'-0"	3'-4"
18	4'-10"	3'-0"	3'-7"
24	5'-6"	3'-0"	4'-2"
30	6'-2"	3'-7"	4'-10"
36	6'-10"	4'-6"	5'-5"
42	7'-4"	5'-3"	5'-9"
48	8'-0"	6'-0"	6'-4"
54	8'-6"	6'-8"	6'-10"
60	9'-2"	7'-4"	7'-5"

NOTE: THE MIN. H & ΔE GIVEN IN ABOVE TABLE ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONC. PIPE AND MAY BE VARIED IF CONDITIONS PERMIT WITH THE VARIOUS DIMENSIONS SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER, W & W1 DIMENSIONS DO NOT HAVE TO BE EQUAL.



FORM EFS

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

STANDARD CATCH BASINS

FOR USE WITH 4", 6", 8", OR 10" HT. HEADER OR INTEGRAL CURBS — IN SAGS OR LOW POINTS

SCALE AS SHOWN

REV. 8 R.M.U. (SUBMITTED) *Handwritten* **NUMBER**
 REDR. STATE ROAD & AIRPORT DESIGN/ENGR. **1034 F**
 TRA. G.M.E. (APPROVED) *Handwritten*
 CHK. R.K.C. STATE HIGHWAY ENGINEER

REV. 8 REDR. AUGUST, 1982

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	SUBMITTED BY	FILE NAME	SCALE	PLLOT DATE
10/10/2019	RBJ	SPT	TN			22" x 34"	1:1

DATE	APPR.

MARK	DESCRIPTION

CITY OF CLARKSTON

SPLIT 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK

3000 Parkway Lane
 Atlanta, GA 30328
 Phone 404.387.7740
 Fax 404.387.7744

POND PROJECT No. 1190154

SHEET IDENTIFICATION NUMBER

41-002

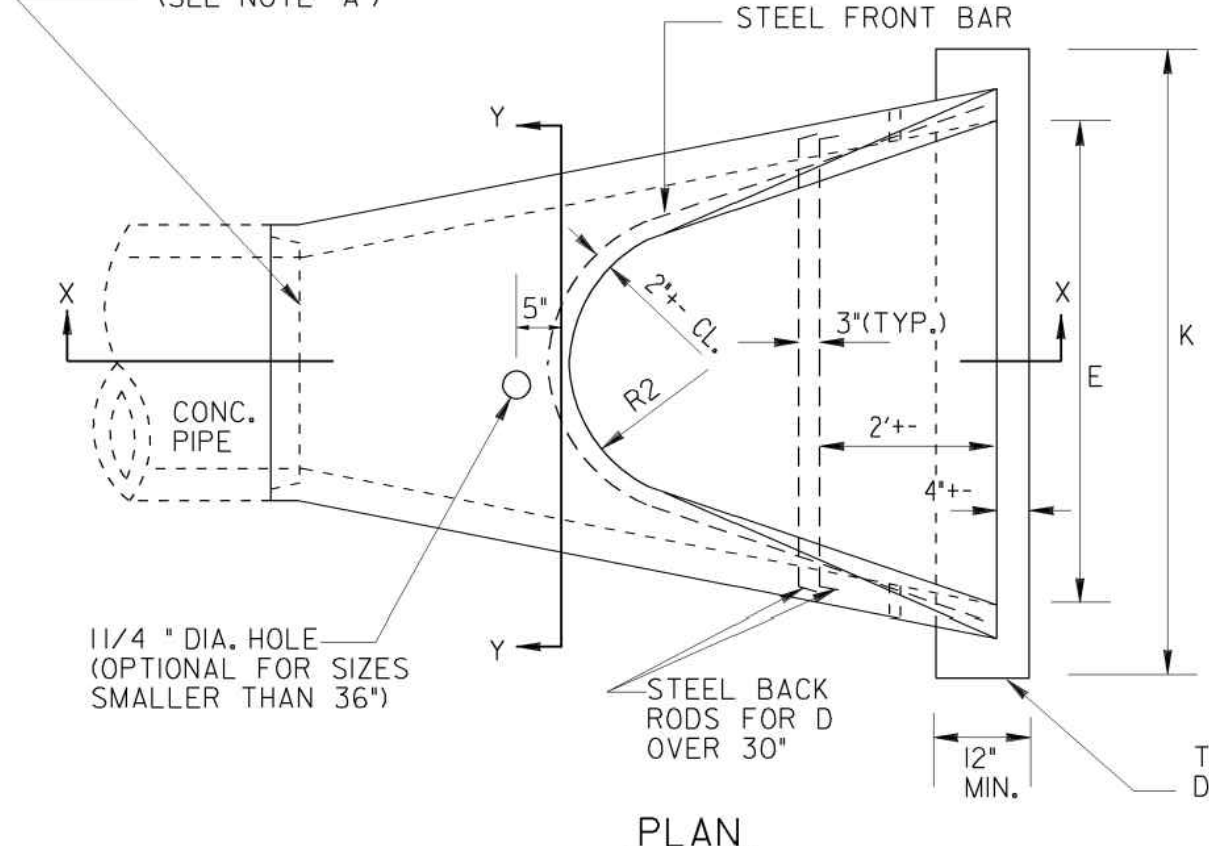
100% DRAWINGS

FILE PATH: N:\MITCHBLADE\PROJECTS\FY1911\9015404_CAD_BIM\04.02.CAD\CHURCH & PONCE\0001.DWG PLOTTED BY: THOMPSON, SYDNEY

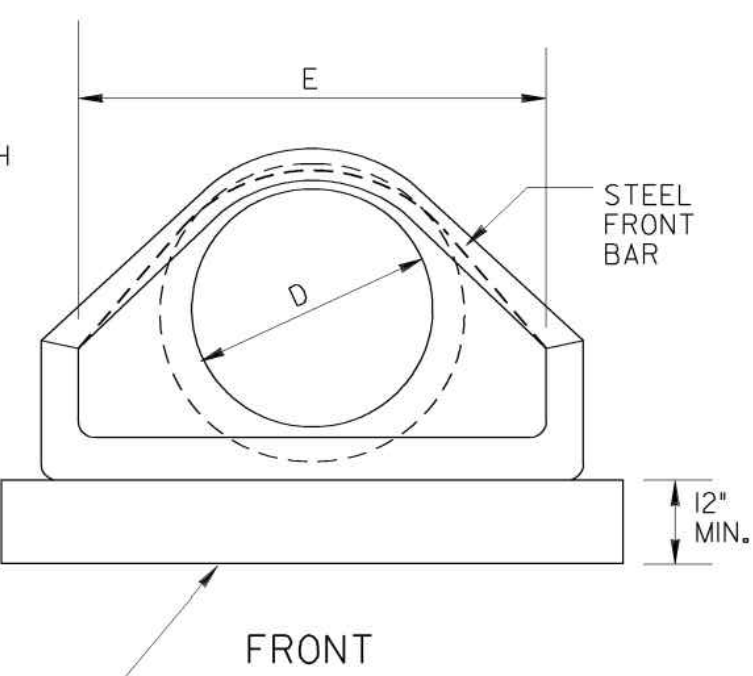
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

END SECTION TO PIPE JOINT SHOWN AS TYPICAL:
HUB END ON OUTLET END SECTIONS;
SOCKET END ON INLET END SECTIONS
(SEE NOTE 'A')

CONCRETE FLARED END SECTION



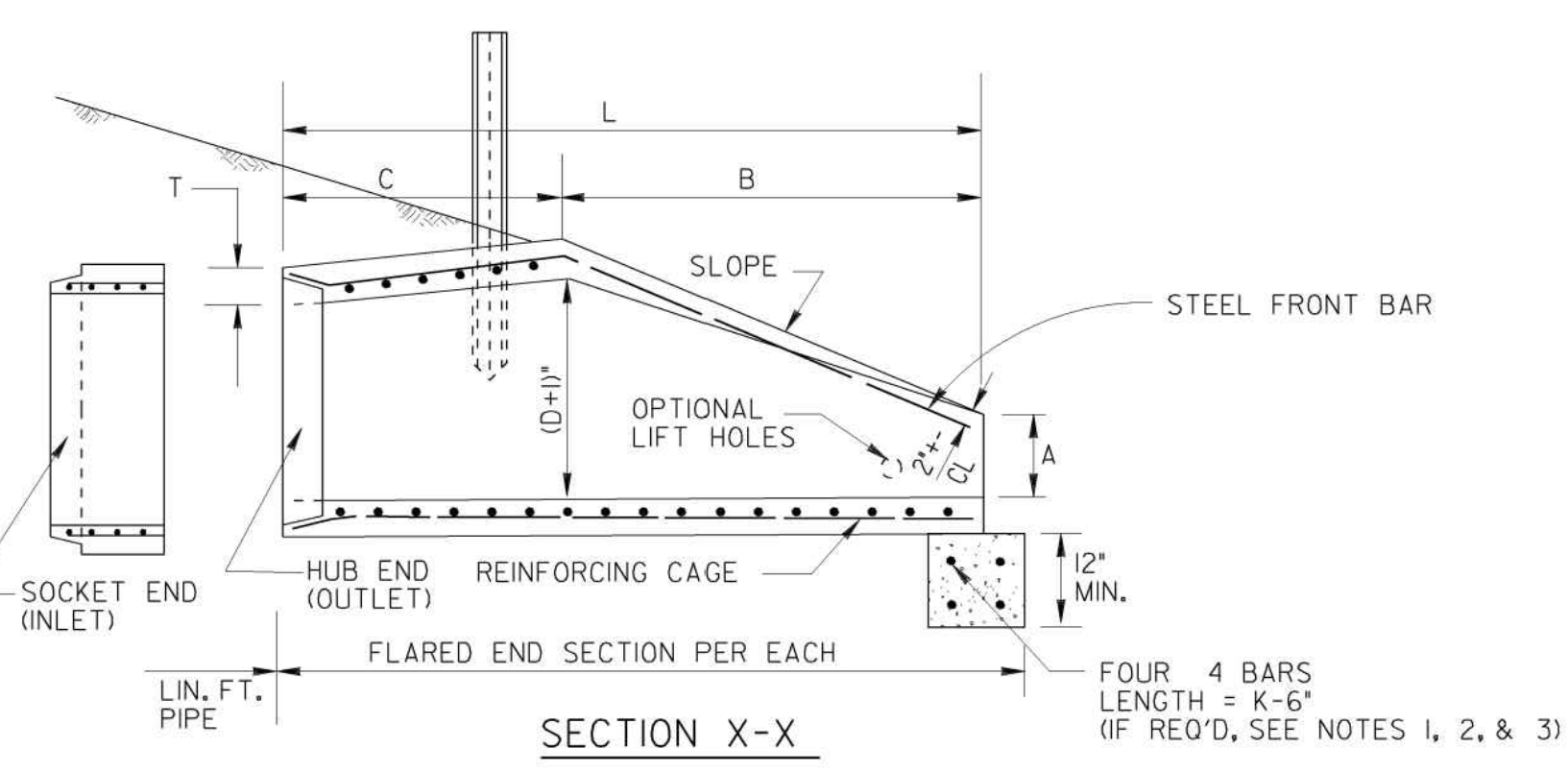
INSTALLATION: (D OVER 30") CABLE, CHAIN, OR LIFTING PIN WILL EXTEND THRU 1 1/4" HOLE WITH A PLATE OR REBAR CONNECTED INSIDE THE CONC. SECTION TO PROVIDE ADEQUATE BEARING AREA OR A LIFTING ASSEMBLY DEVICE MAY BE USED TO GIVE 3 LIFT POINTS, HOOKS CONNECTED DIRECTLY TO CONCRETE IS NOT PERMITTED. DAMAGE FROM IMPROPER HANDLING SHALL BE CAUSE FOR REJECTION.



FRONT

TOEWALL IF REQ'D. (TYPICAL FOR STORM DRAIN OUTLETS, SEE GEN. NOTES #1, 2, 3)

NOTE: DO NOT CUT CONCRETE PIPE. USE FULL LENGTH SECTIONS ONLY. WARP SLOPE TO CONFORM WITH PIPE LENGTH AND END SECTION.



SECTION X-X

REINFORCING CAGE:

- (1) WIRE FABRIC HAVING EQUAL STEEL AREA AS INNER CAGE FOR CLASS II PIPE, AASHTO M-170.
- (2) ALTERNATE: # 3 BARS SPACED 12" LONGITUDINALLY WITH # 2 BARS TRANSVERSELY AT 6" O.C. MAX. SPACING, SPOT WELDED OR TIED TO FORM CAGE. (BACK RODS MAY BE OMITTED.)

NOTE 'A':

CONTRACTOR WILL INFORM PRODUCER IF CONCRETE FLARED END SECTION IS FOR INLET OR FOR OUTLET END. SOCKET (TONGUE OR SPIGOT) END IS REQUIRED FOR INLETS. HUB (GROOVE OR BELL) END IS REQUIRED FOR OUTLETS. SOCKET TO SOCKET OR HUB TO HUB JOINT WILL NOT BE ACCEPTED UNLESS A REINFORCED CONCRETE COLLAR IS BUILT AROUND THE JOINT WITH NO PAYMENT BEING MADE FOR THE COLLAR. FLARED END SECTIONS SHALL BE JOINED TO PIPE WITH ALL SPACE IN THE JOINT FILLED WITH EITHER BITUMINOUS PLASTIC CEMENT OR PREFORMED PLASTIC GASKET (SEC. 848).

WALL THICKNESS (T) IS SHOWN AS NOMINAL AND MAY BE INCREASED AT PRODUCER'S OPTION FOR DESIRED JOINT DESIGN OR TO ALLOW A FLAT OUTSIDE BOTTOM ON THE FLARE, WITH INSIDE DIMENSIONS OF FLARE RETAINED AS SHOWN.

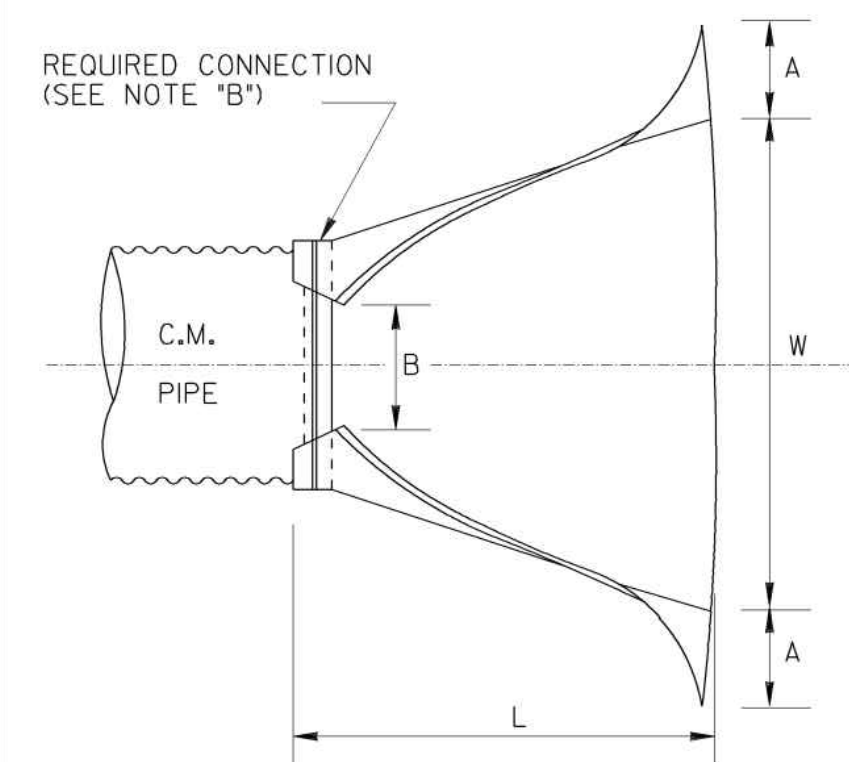
T = PIPE WALL THICKNESS (0.0833D + 1" TYPICAL)

DIMENSIONS AND REINFORCING FOR CONCRETE FLARED END SECTIONS (+/- 1" TOLERANCE)											OUTLET TOEWALL (IF REQ'D)		
PIPE DIA	FRONT BAR	BACK RODS	SLOPE +/-	A	B	C	L	E	P	R1	R2	K = E + 2'	CU.YDS. CONC.
12"	1-#3 x 5' 4"	NOT REQ'D.	2.2d	4'	2'0"	4'1"	6'1"	2'0"	1'8"	10'	9'	4'-0"	.148
15"	1-#3 x 6' 0"	NOT REQ'D.	2.2d	6'	2'3"	3'10"	6'1"	2'6"	2'0"	1'0"	11'	4'-6"	.167
18"	1-#3 x 7' 2"	NOT REQ'D.	2.2d	9'	2'3"	3'10"	6'1"	3'0"	2'5"	1'4"	10'	5'-0"	.185
24"	1-#3 x 9' 10"	NOT REQ'D.	2.4d	10'	3'8"	2' 6"	6'2"	4'0"	2'9"	1'5"	12'	6'-0"	.222
30"	1-#4 x 11' 8"	NOT REQ'D.	2.4d	12'	4'6"	1' 8"	6'2"	5'0"	3'1"	1'6"	13'	7'-0"	.259
36"	1-#4 x 13' 10"	2-#4 x 6'3"	2.4d	15'	5'3"	2'11"	8'2"	6'0"	4'0"	2'0"	1'8"	8'-0"	.296
42"	1-#4 x 13' 10"	2-#4 x 7'4"	2.4d	21'	5'3"	2'11"	8'2"	6'6"	4'6"	2'4"	1'10"	8'-6"	.315

NOTE: SPECIFIED REINFORCING IS MINIMAL AND MAY BE INCREASED AT PRODUCER'S OPTION TO AID CASTING & HANDLING. ALTERNATE REINFORCEMENT PERMITTED IF APPROVED.

* NOTE: 'C' AND 'L' DIMENSION MAY BE MEASURED TO EITHER END OF JOINT CONNECTION AT PIPE.

METAL FLARED END SECTION
(USE ONLY WITH COR. METAL PIPE)

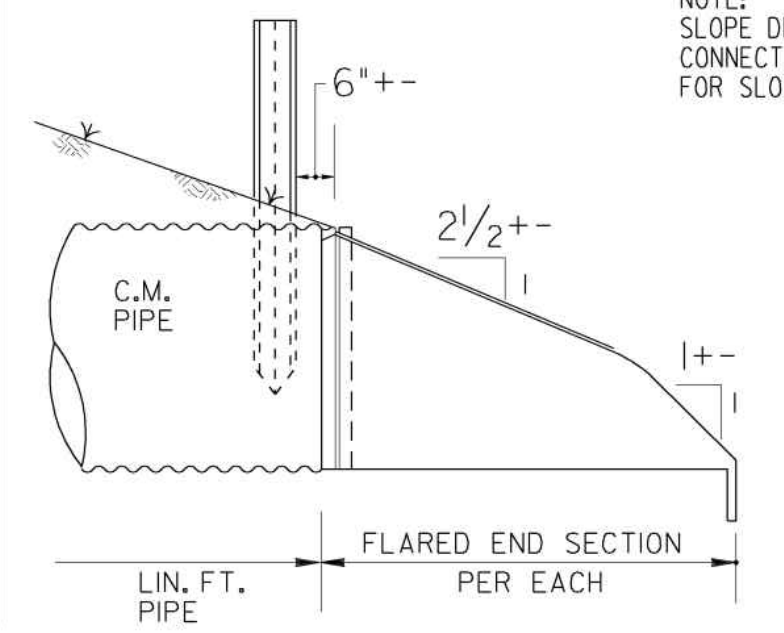


PLAN

NOTE: GALVANIZED STEEL FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED STEEL PIPE AND ALUMINUM FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED ALUMINUM PIPE UNLESS OTHERWISE APPROVED BY D.O.T. OFFICE OF MATERIALS AND TESTS.

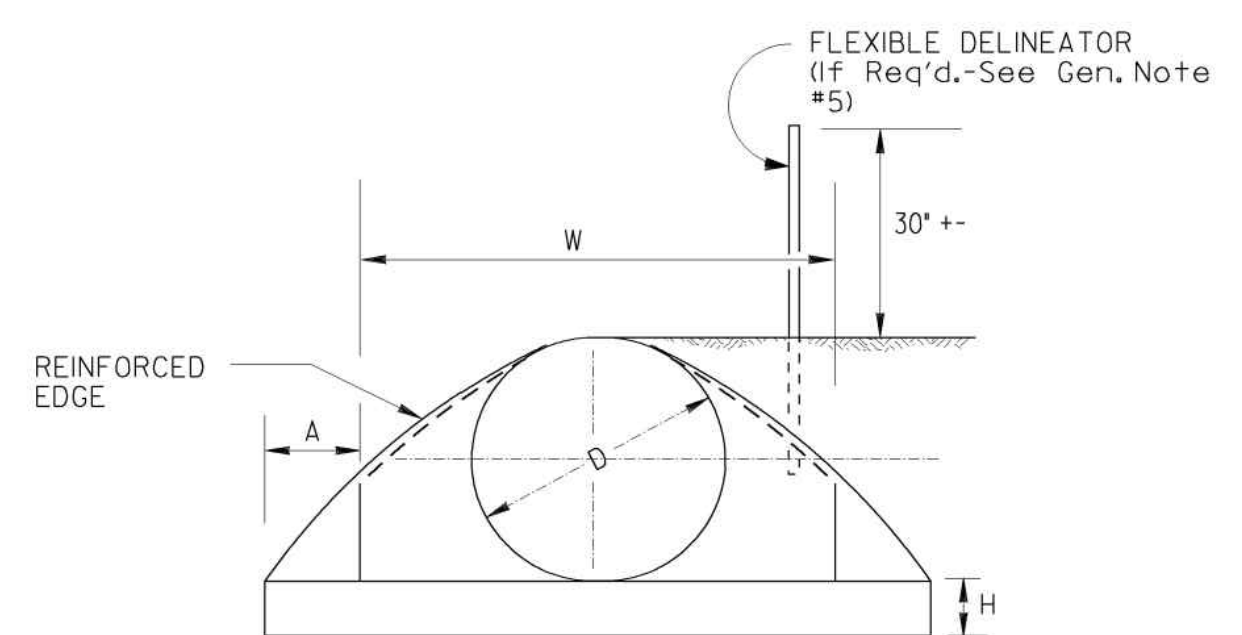
PIPE SIZE "D"	THICKNESS		A = 0.4D +/- 1"	B = 0.5 D +/- 1"	H = 0.25D +/- 1" (MIN. 6")	L = 1.67D +/- 1/2'	W = 2.0D +/- 2'
	GALV. STEEL	ALUM.					
12"	.064"	.060"	5'	6'	6'	1'8"	2'0"
15"	.064"	.060"	6'	7'	6'	2'3"	2'6"
18"	.064"	.060"	7'	9'	6'	2'6"	3'0"
24"	.064"	.060"	9'	1'0"	6'	3'4"	4'0"
30"	.079"	.055"	1'0"	1'3"	7'	4'2"	5'0"
36"	.079"	.055"	1'2"	1'6"	9'	5'0"	6'0"
42"	.099"	.064"	1'5"	1'9"	10'	5'10"	7'0"

NOTE: WHERE METAL FLARED END SECTIONS ARE USED WITH MULTIPLE PIPE LINES, THE STANDARD SPACING BETWEEN PIPES (S-D OR 3 FT.) MAY HAVE TO BE INCREASED (S=1.75 D TYPICAL), TO PREVENT OVERLAP OF END SECTION WINGTIPS. SEE ALSO STD. 10300.



SIDE

NOTE: SLOPE DRAIN PIPES WILL REQUIRE AN ELBOW FOR CONNECTION TO THE FLARED END SECTION. PAYMENT FOR SLOPE DRAIN PIPE WILL INCLUDE THIS ELBOW.

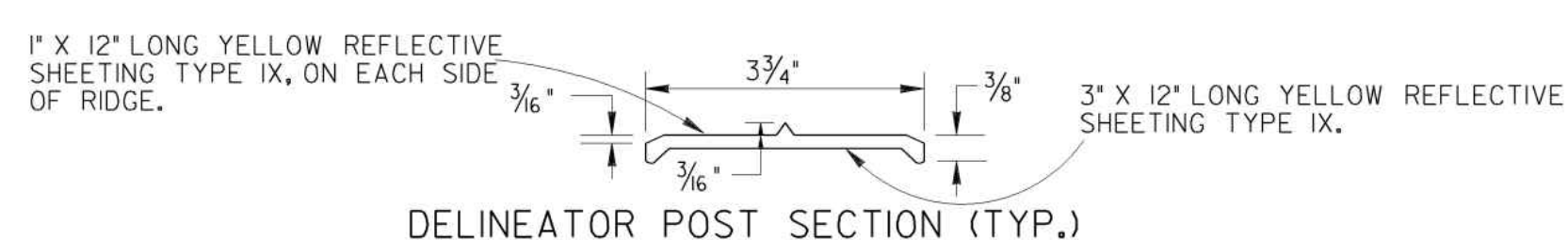


FRONT

SPECIAL NOTE:
FLARED END SECTIONS ARE NORMALLY LIMITED TO USE OUTSIDE THE CLEAR ZONE OR BEHIND BARRIER AND WHERE HYDRAULICS PERMIT. SEE OTHER STANDARDS OR DETAILS FOR TAPERED HEADWALLS, SAFETY SLOPE END SECTIONS OR OTHER PIPE END STRUCTURES.

GENERAL NOTES :

- TOEWALLS ARE REQ'D. FOR OUTLETS OF CONC. STORM DRAINS, EXCEPT WHERE DITCH PAVING OR OTHER EROSION PROTECTION IS PROVIDED OR WHERE THE OUTLET VELOCITY IS LESS THAN 8 FT/SEC. TOEWALLS ARE NOT REQUIRED FOR SIDE DRAINS, SLOPE DRAINS OR INLETS OF STORM DRAINS THIS CRITERIA MAY BE VARIED WHERE SPECIFIED BY THE DESIGNER OR THE ENGINEER.
- TOEWALLS WILL BE PAID FOR AS CU. YDS. OF CLASS 'A' OR 'B' CONCRETE. CONTRACTOR MAY ELECT TO CONSTRUCT TOE WALL WITH SAND CEMENT BAG RIPRAP OR STONE RIPRAP TO SAME MINIMUM DIMENSIONS WITH NO ADDITIONAL PAYMENT.
- PRECAST TOEWALLS SHALL BE CL. 'A' CONCRETE; CAST-IN-PLACE TOEWALLS MAY BE CL. 'A' OR 'B' CONCRETE AND MAY BE TRENCH FORMED. WHERE PLANS ITEMIZE ONE CLASS OF CONCRETE AND CONTRACTOR ELECTS TO USE OTHER CLASS, NO ADDITIONAL PAYMENT IS MADE, NO PAYMENT IS MADE FOR STEEL IN TOEWALL.
- CENTERLINE OF FLARED END SECTION WILL ALIGN WITH CENTERLINE OF PIPE, IF PIPE IS SKEWED, THE EMBANKMENT SLOPE WILL BE WARPED TO CONFORM WITH END SECTION.
- FLEXIBLE DELINEATORS SHALL BE REQUIRED AT CROSS DRAIN FLARED END SECTIONS, BOTH INLET AND OUTLET. PAYMENT FOR FLARED END SECTION WILL INCLUDE DELINEATORS, SEE DETAIL AND NOTES BELOW. DELINEATORS NOT REQ'D. FOR SIDE DRAIN, SLOPE DRAIN, OR LONG PIPE.



DELINEATOR POST SECTION (TYP.)

NOTE: DELINEATOR POST SHALL CONFORM TO SEC. 911 FOR FLEXIBLE DELINEATOR POST EXCEPT REFLECTIVE SHEETING IS NOT REQUIRED AND LENGTH IS 4'-6" FROM TOP TO BOTTOM POINT. ALTERNATES PERMITTED IF APPROVED BY D.O.T. LABORATORY.

SPECIAL NOTE :
PIPE SIZES (D) ARE "NOMINAL-MINIMUM" INSIDE DIAMETERS IN ACCORDANCE WITH GEORGIA STANDARD FOR PIPE CULVERTS. "D" DIMENSION FOR FLARED END SECTION SHALL EQUAL THE "D" DIMENSION FOR CONNECTING PIPE CULVERT.

NOTE 'B':

THE CONNECTION BETWEEN METAL FLARED END SECTION AND C.M. PIPE WILL BE ONE OF THE FOLLOWING:

- (a) A STRAP BAND OR THREADED ROD PROVIDED BY THE MANUFACTURER WILL LOCK END SECTION ONTO PIPE. A CORRUGATION AT THE PIPE AND WILL BE NON-SPIRALED (PERPENDICULAR TO CL OF PIPE)
- (b) A Dimple BAND COLLAR WILL BE SHOP BOLTED TO END SECTION. PIPE WILL BE INSERTED INTO BAND COLLAR TO MEET THE END SECTION.
- (c) A STUB PIPE WILL BE RIVETED TO THE END SECTION AND THE MAIN PIPE CONNECTED TO THE STUB WITH A NORMAL CONNECTING BAND.
- (d) OTHER TYPE CONNECTION IF RECOMMENDED BY MANUFACTURER AND APPROVED BY THE D.O.T.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
FLARED END SECTIONS
FOR PIPES

NO SCALE REV. & REDR. SEPT., 1999

DES. (SUBMITTED)	STATE ROAD & AIRPORT DESIGN ENGINEER	NUMBER	1120
REV.			
RETR.			
CHK. (APPROVED)	CHIEF ENGINEER		

100% SUBMITTAL

10312019

MARK

DATE

APPR.

DESIGNED BY: RBJ DATE: 2/22/2019

DRAWN BY: T/N SOLICITATION NO.:

SPT. CONTRACT NO.:

SUBMITTED BY: FILE NAME: 40-001.dwg

FILE NUMBER: 3000 Parkway Lane, Suite 500, GA 30096, Suite 500

Phone 678.338.7740 Fax 678.338.7744

PLOT DATE: 02/25/2019

PLOT SCALE: 22" x 34" 1:1

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND

3000 Parkway Lane, Suite 500, GA 30096, Suite 500
Phone 678.338.7740 Fax 678.338.7744

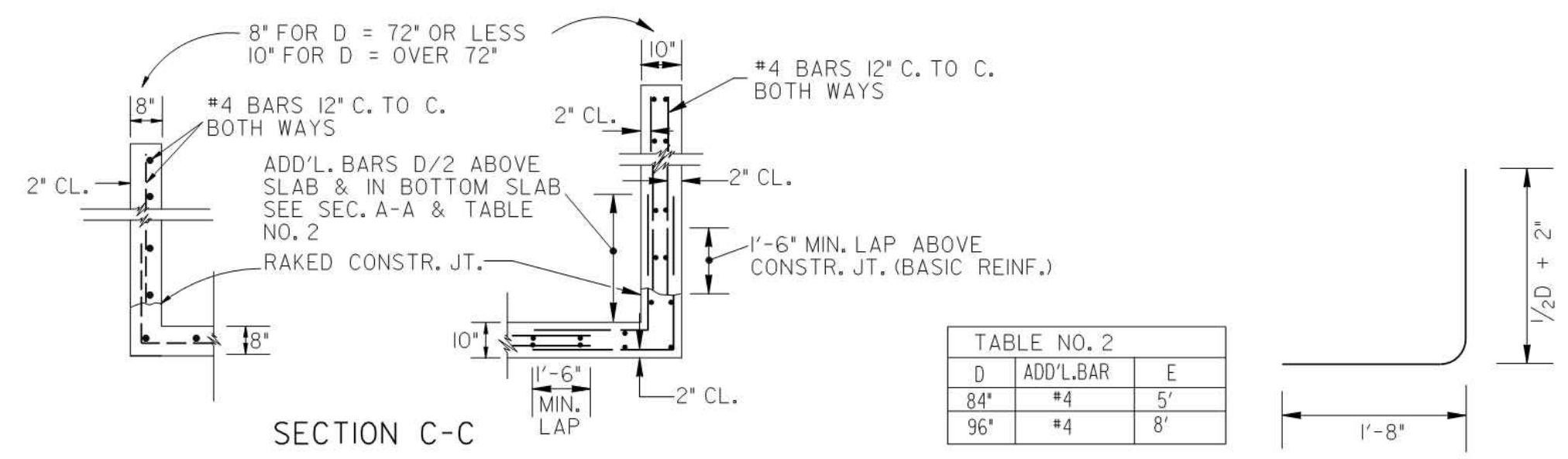
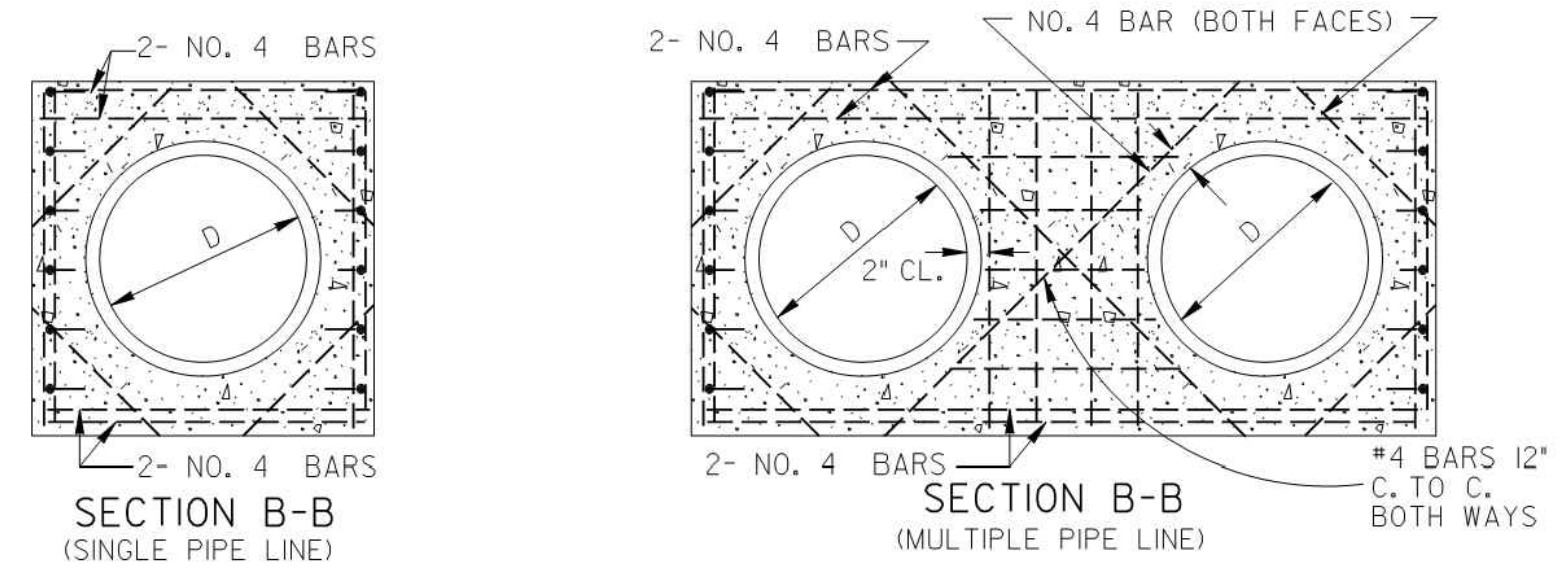
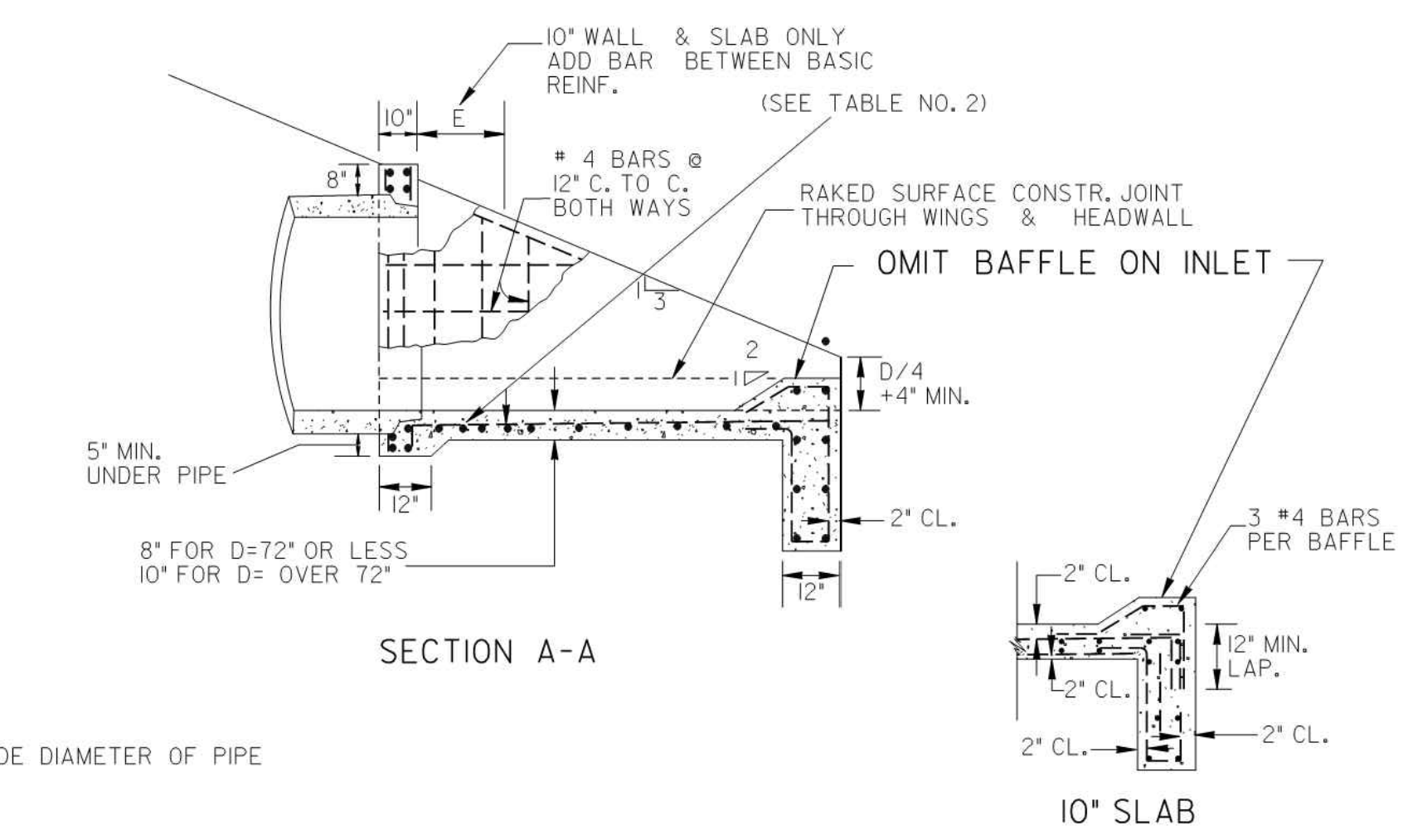
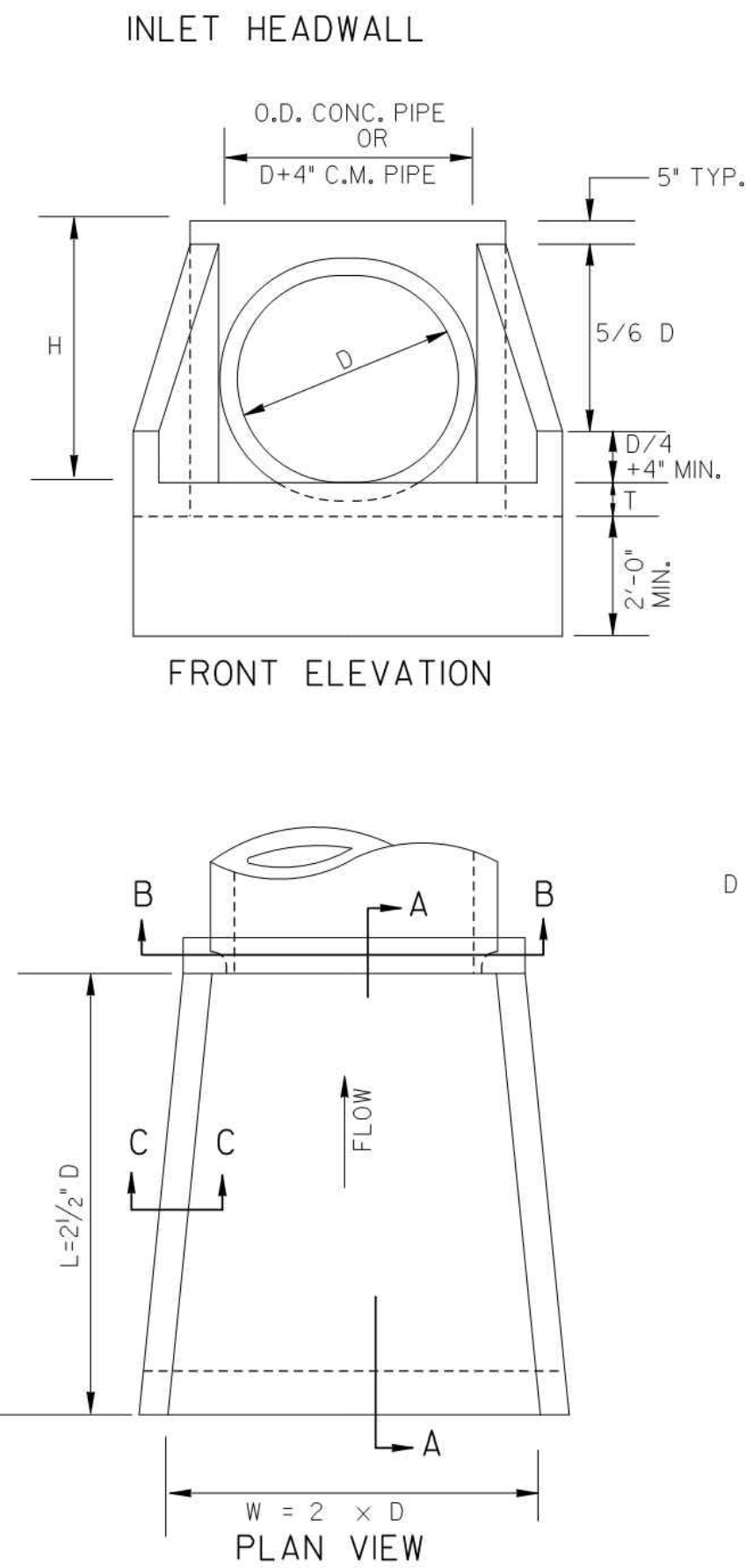
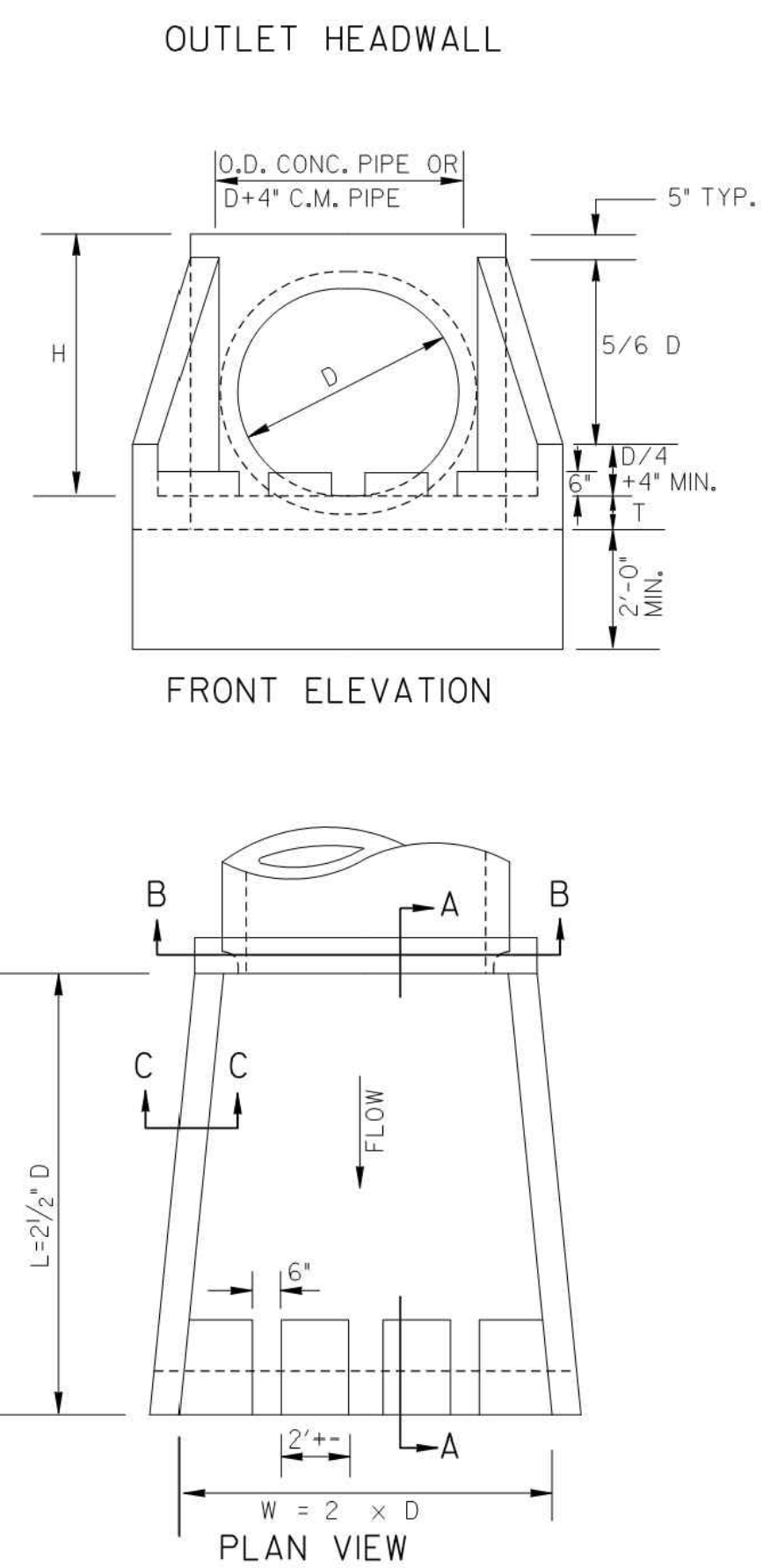
POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
GEORGIA STANDARDS

SHEET IDENTIFICATION NUMBER
41-003

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\04-001.DWG PLOTTED BY: THOMPSON, SYDNEY

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP00-2868-001(00)	150	258



D	ADD'L. BAR	E
84"	#4	5'
96"	#4	8'

D	CU. YDS. CONCRETE (PAY QUANTITIES)				LBS. STEEL (GIVEN FOR INFORMATION ONLY)			
	FOR SINGLE LINE		ADD FOR ADD'L LINE		FOR SINGLE LINE		ADD FOR EACH ADD'L LINE	
15"	0.87	0.93	0.60	0.66	102	113	73	83
18"	1.10	1.16	0.85	0.93	106	117	93	104
24"	1.61	1.69	1.29	1.37	127	138	124	134
30"	2.21	2.32	1.83	1.96	170	180	154	164
36"	2.92	3.05	2.49	2.63	238	254	196	212
42"	3.73	3.87	3.00	3.17	290	306	231	247
48"	4.62	4.80	3.58	3.74	335	351	265	281
54"	5.63	5.83	4.17	4.38	407	428	319	340
60"	6.72	6.95	4.82	5.01	456	477	360	391
72"	9.22	9.48	6.24	6.46	623	649	475	494
84"	14.84	15.19	9.05	9.29	1517	1539	1017	1044
96"	18.88	19.27	11.13	11.41	2118	2150	1323	1350

* NOTE: QUANTITIES SHOWN WILL BE ACTUAL PAY QUANTITIES FOR CLASS "A" CONCRETE, INCLUDING REINFORCED STEEL. NO ADJUSTMENT WILL BE MADE FOR AS BUILT QUANTITIES.

D = INSIDE DIAMETER OF PIPE CULVERT
 H = D + 10" MIN. FOR C.M. PIPE
 H = D + PIPE WALL THICKNESS + 8" FOR CONC. PIPE (13/12 D + 9" TYP.)
 T = 8" FOR D = 72" OR LESS
 T = 10" FOR D = OVER 72"

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA

STANDARD TAPERED
 INLET HEADWALL - OUTLET HEADWALL
 (BUILT-IN-PLACE)

NO SCALE
 DES. (SUBMITTED) *James K. Kneel*
 DRAWN BY STATE ROAD & AIRPORT DESIGN ENGR.
 TRA. (APPROVED) *David L. Patten*
 CHK. CHIEF ENGINEER

REV. & REDR. OCT., 1999
 NUMBER 1125

41-11

100% DRAWINGS

100% SUBMITTAL

10/12/2019

MARK

DESCRIPTION

DATE

APPR.

DESIGNED BY: RBJ
 DATE: 2/22/2019
 DWN BY: JIN
 SPT
 SUBMITTED BY:
 FILE NAME: 40-001.dwg
 SIZE: 22" x 34" 1:1
 PLOT SCALE: 1:1
 PLOT DATE: 02/25/2019

CITY OF CLARKSTON
 SPLIST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

POND
 3000 Parkway Lane
 Suite 500
 Atlanta, GA 30308
 Phone 678.338.7740
 Fax 678.338.7744

POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
 GEORGIA STANDARDS

SHEET IDENTIFICATION NUMBER
 41-004

FILE PATH: \\SMTCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04_02_CAD\CHURCH & PONCE\04-001.DWG PLOTTED BY: THOMPSON, SYDNEY

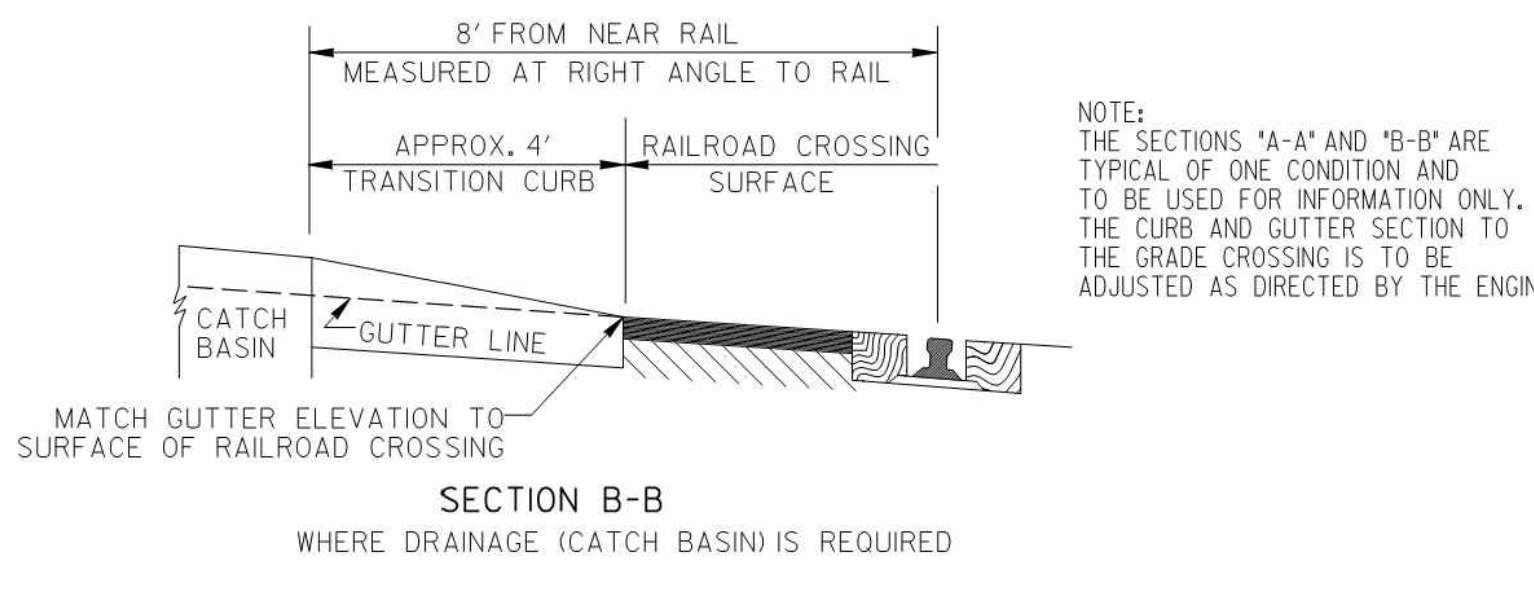
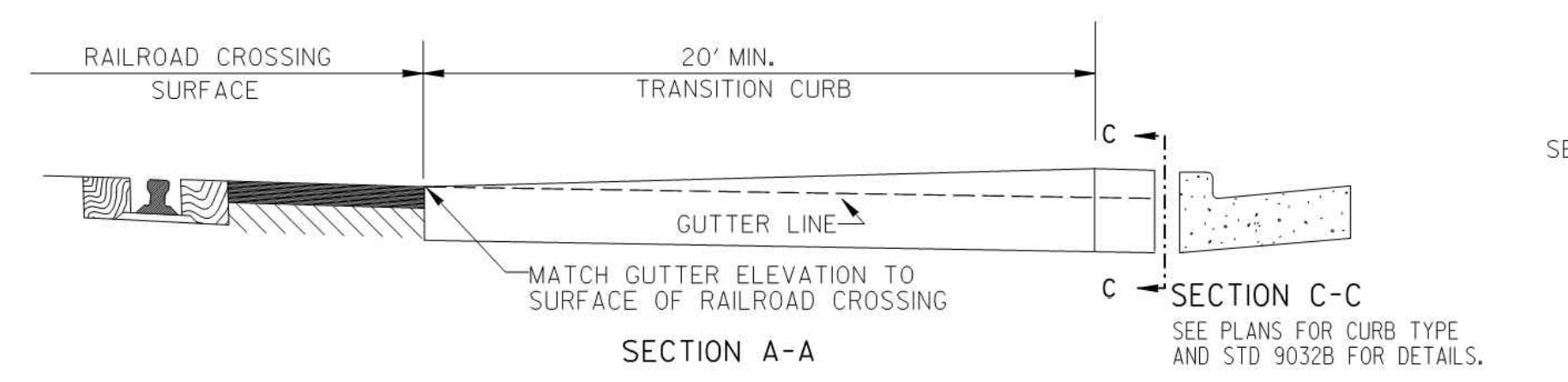
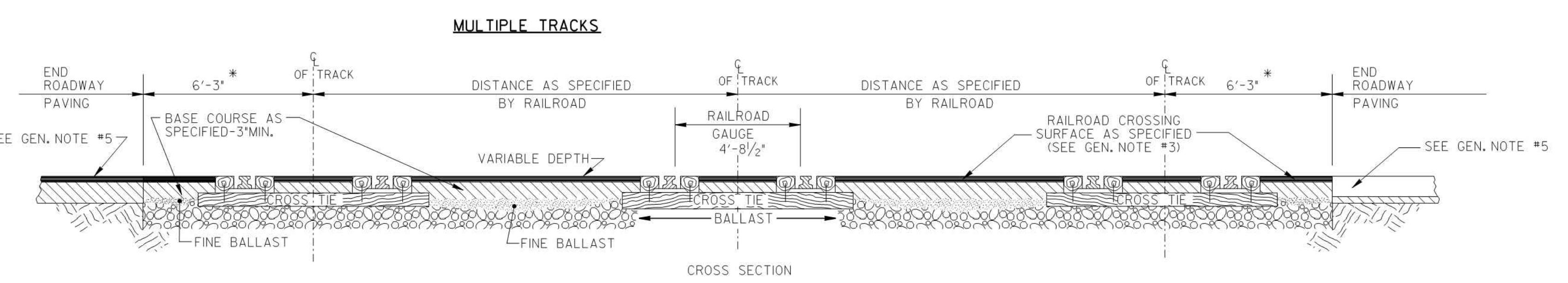
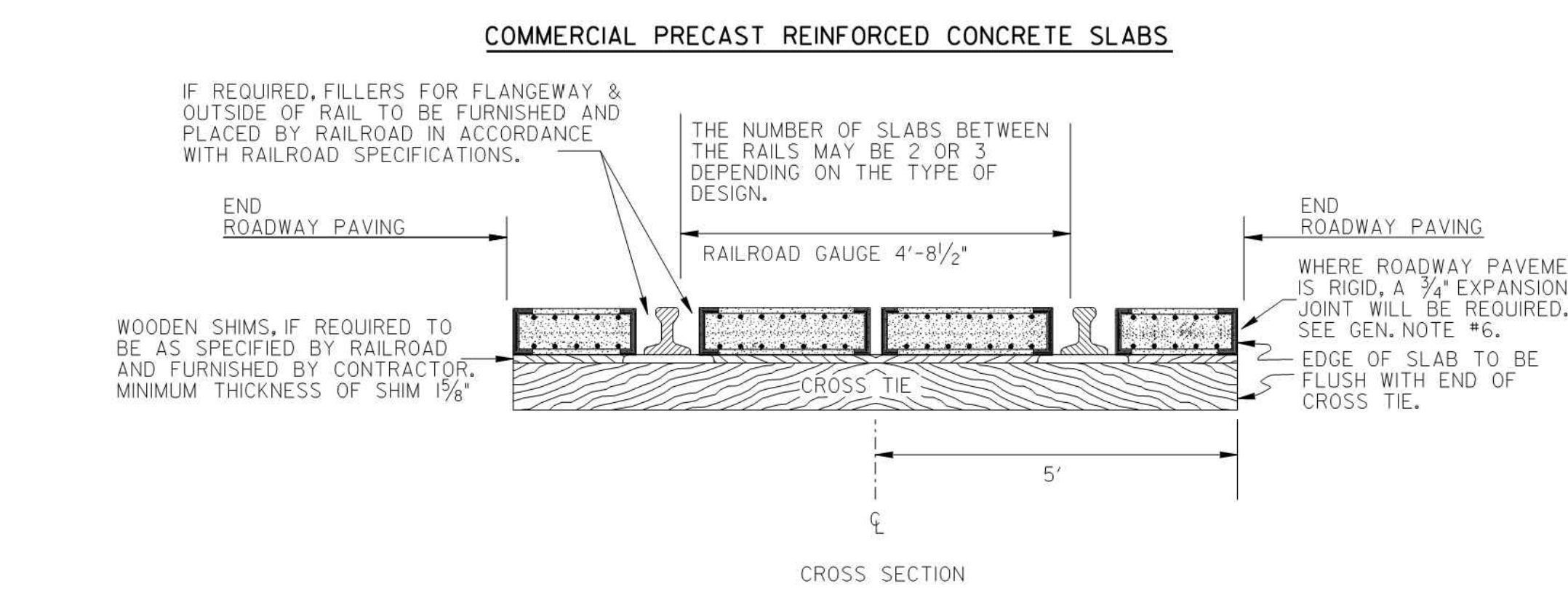
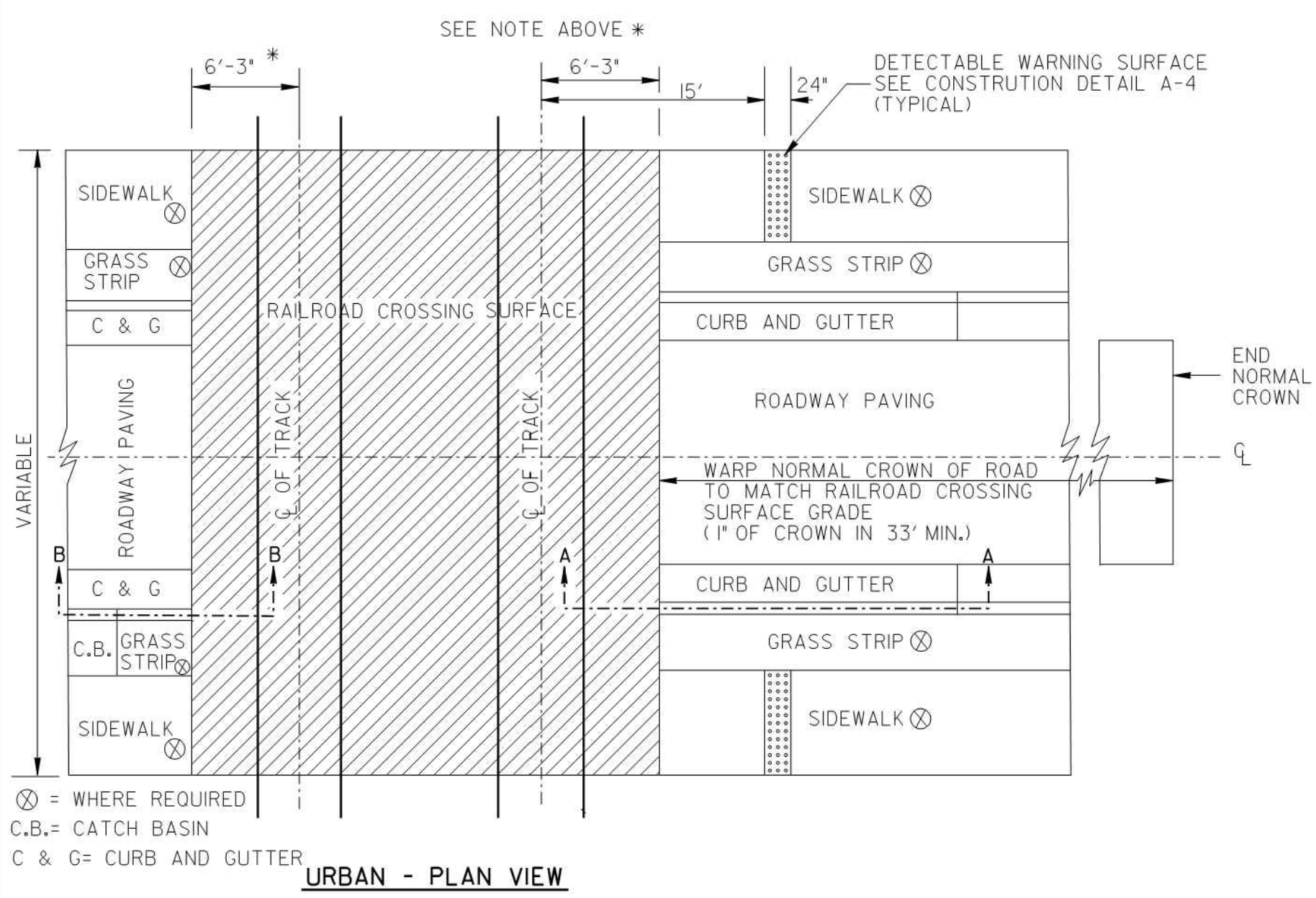
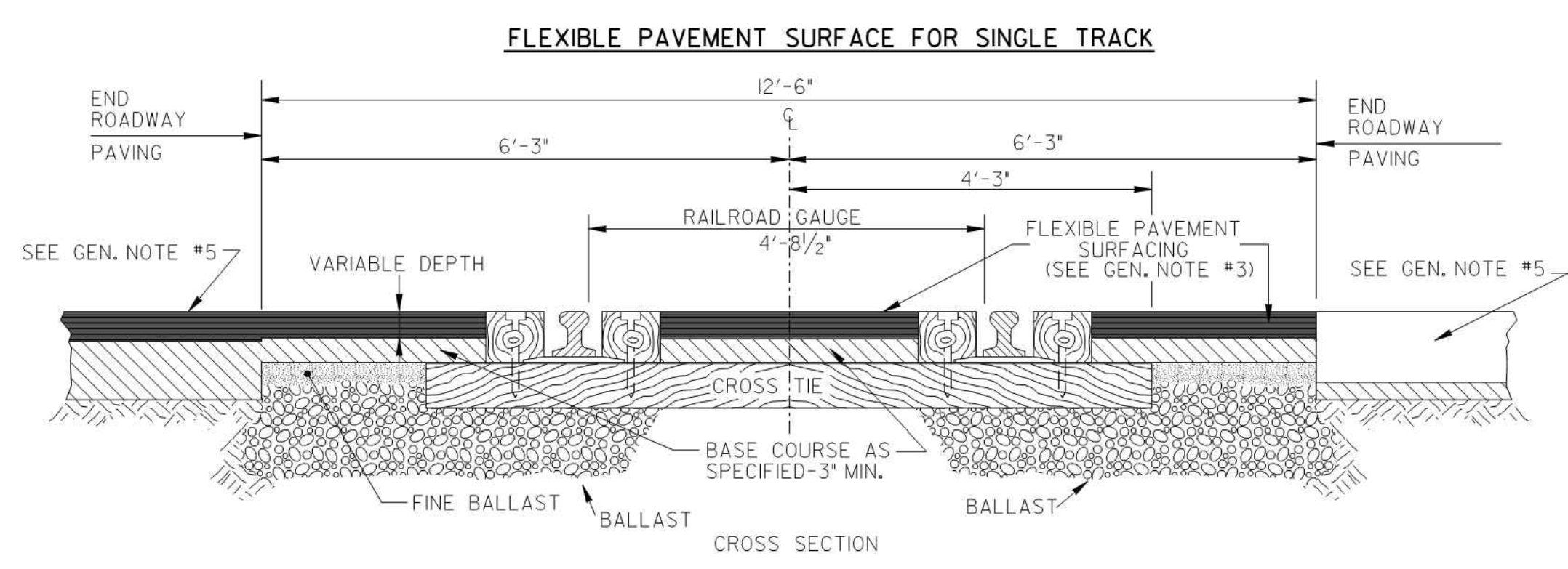
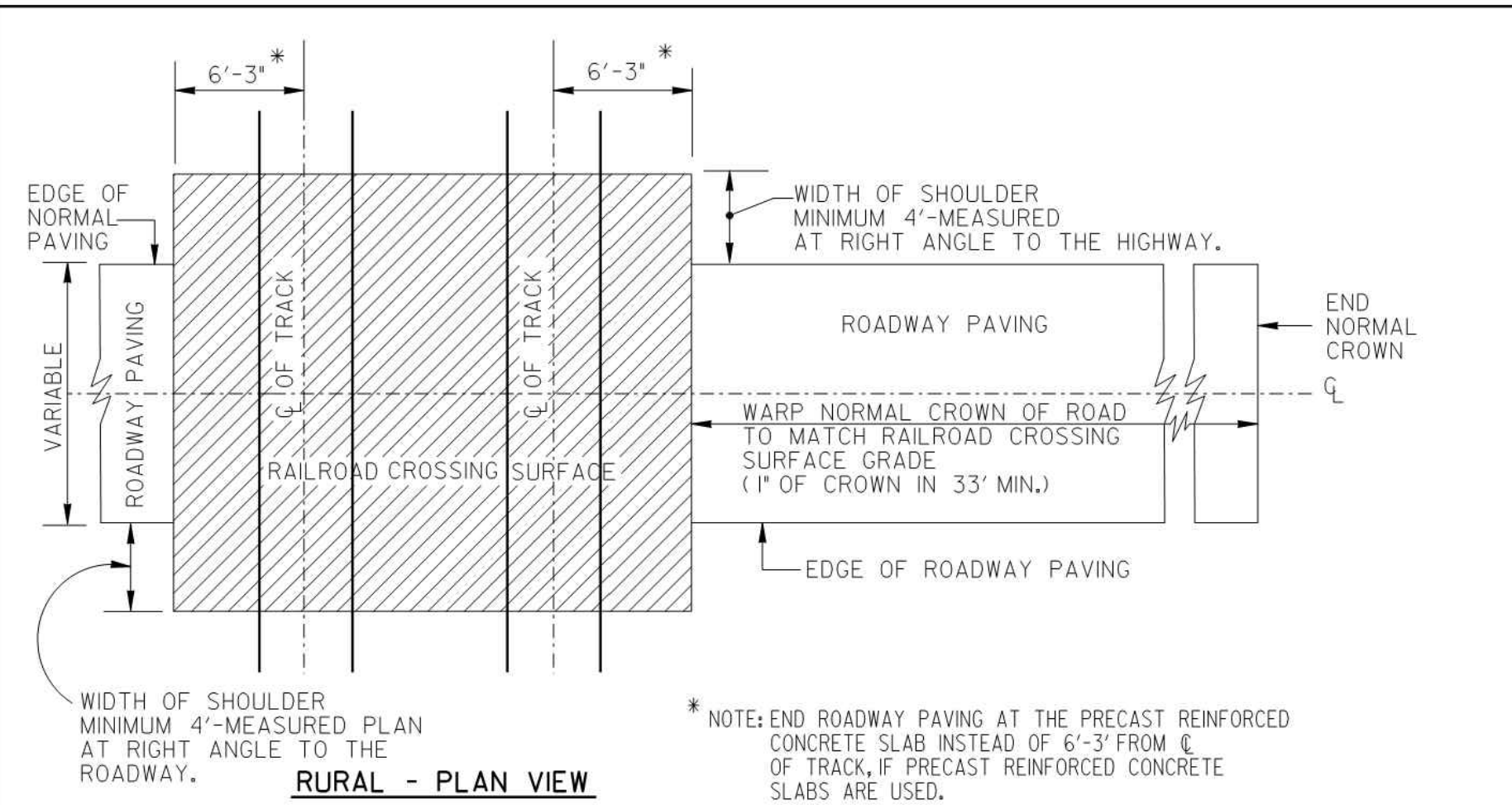
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

GENERAL NOTES:

- SPECIFICATIONS: GEORGIA STANDARDS, CURRENT EDITION & SUPPLEMENTS THERETO.
A) SEE SECTION 232 FOR GRADE CROSSING, PRECAST CONCRETE BID ITEM PAYMENT IF APPLICABLE.
B) SEE SECTION 232 FOR BOLTED CROSSING, INSTALLED BID ITEM PAYMENT IF APPLICABLE.
- THE RAILROAD IS TO BE NOTIFIED BEFORE ANY WORK IS DONE BY GA. D.O.T. MAINTENANCE FORCES OR GA. D.O.T. CONTRACTORS WITHIN 25' OF C.L. OF TRACK. A RAILROAD REPRESENTATIVE IS TO BE PRESENT TO SUPERVISE THE WORK BEING DONE.
- RAILROAD CROSSING SURFACE, BALLAST, TIES, RUNNING RAILS, GUARD TIMBERS AND FILLERS, (IF REQUIRED) FOR FLANGEWAY AND OUTSIDE OF RAIL, ARE TO BE FURNISHED AND PLACED BY RAILROAD WITH COSTS, ELIGIBLE FOR REIMBURSEMENT BEING BILLED TO THE STATE UNDER FORCE ACCOUNT AGREEMENTS, UNLESS OTHERWISE SPECIFIED.
- ONLY AT THE RAILROAD'S REQUEST, THE GA. D.O.T. CONTRACTOR TO FURNISH ALL WORK AND MATERIALS NECESSARY FOR CONSTRUCTING THE PAVING COURSES OF THE CROSSING. THE COST OF FLAGGING SERVICE REQUIRED BY THE RAILROADS FOR ANY CONSTRUCTION ACTIVITY AT GRADE CROSSINGS SHALL BE A COST TO THE CONTRACTOR. THIS COST SHALL BE BORNE BY THE CONTRACTOR, WHETHER THE FLAGGING SERVICE IS PERFORMED BY THE CONTRACTOR'S PERSONNEL OR, IF REQUIRED BY THE RAILROADS, TO BE DONE BY THE RAILROAD PERSONNEL.
- ONLY ONE SIDE OF THE ROADWAY PAVEMENT, ADJACENT TO THE RAILROAD CROSSING SURFACE, CAN BE RIGID. A MINIMUM OF 15' OF FLEXIBLE PAVEMENT IS REQUIRED ADJACENT TO THE OTHER SIDE OF THE RAILROAD CROSSING SURFACE.
- REFER TO AASHTO, *POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS*, FOR ADDITIONAL DESIGN GUIDANCE ON RAILROAD-HIGHWAY GRADE CROSSINGS (SECTION 9J2).

GENERAL SPECIFICATIONS FOR COMMERCIAL PRECAST REINFORCED CONCRETE SLAB FOR RAILWAY CROSSING

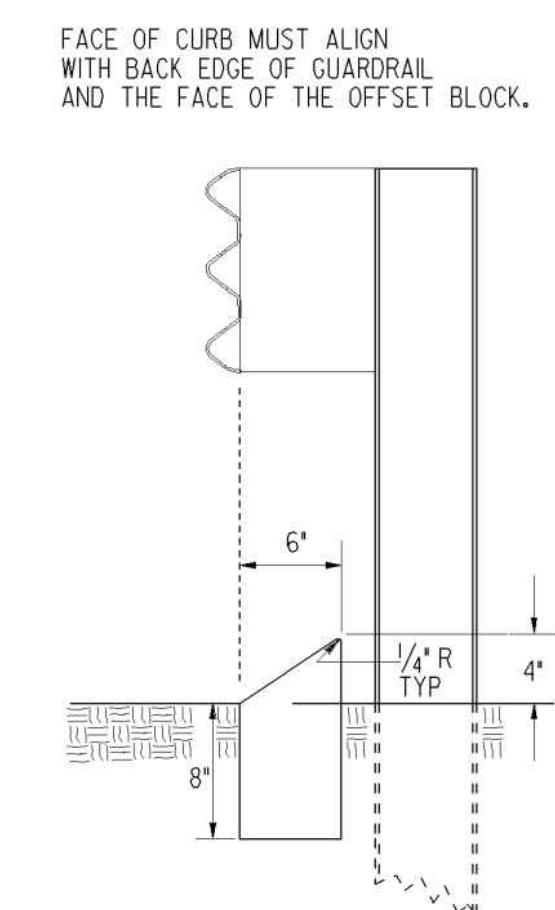
- THE PLACING OF PRECAST REINFORCED CONCRETE SLABS WILL BE PERMITTED WHERE APPROVED BY THE RAILROAD & THE STATE UTILITIES ENGINEER OR DESIGNEE.
 - SLABS TO BE OF THE TYPE THAT CAN BE ANCHORED TO TIES AND REMOVED.
 - IF SLABS ARE OVER MULTIPLE TRACKS, THE INTERTRACK SLABS ARE TO BE PLACED ON COMPACTED EARTH.
 - THE DEPTH OF THE SLABS SHALL BE SUCH THAT THE TOP SURFACE OF THE CROSSING WILL BE IN THE SAME PLANE AS THE TOP OF THE RAIL. SHIMS WILL BE USED IF REQUIRED.
 - ALL EXPOSED EDGES OF SLAB WILL BE ARMORED.
 - PROTECTION OF THE END SLABS AGAINST DRAGGING BRAKE RIGGING WILL BE PROVIDED.
 - IN GENERAL, THE DESIGN SLABS WILL BE IN ACCORDANCE WITH (AREMA) AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION SPECIFICATIONS.
 - THE TYPE OF COMMERCIAL PRECAST CONCRETE SELECTED BY THE CONTRACTOR MUST BE APPROVED BY THE RAILROAD & THE STATE UTILITIES ENGINEER OR DESIGNEE.
 - THE COMMERCIAL PRECAST CROSS SECTION IS A TYPICAL REPRESENTATION OF ONE TYPE OF MANUFACTURED SURFACE AND IS SHOWN FOR INFORMATION ONLY. DIMENSIONS MAY VARY WITH DIFFERENT DESIGNS.
- ALTERNATE:**
COMMERCIAL PREFABRICATED OR MANUFACTURED SECTIONS OTHER THAN REINFORCED CONCRETE SLABS MAY BE USED PROVIDED THE DESIGNS AND MATERIALS ARE APPROVED BY THE GA. D.O.T. AND BY THE RAILROAD, WITH THE ABOVE GENERAL SPECIFICATIONS APPLYING.



DATE		DEPARTMENT OF TRANSPORTATION	
REVISION		STATE OF GEORGIA	
STANDARD RAILROAD GRADE CROSSING PAVING (& SIGNAL CONDUIT LOCATIONS)			
NO SCALE		REV. & REDR. SEPT. 2016	
DES. (SUBMITTED)	BY	STATE DESIGN POLICY ENGINEER	NUMBER 9021A
TRA. (APPROVED)	BY	CHIEF ENGINEER	
CHK.			

10/12/2019	100% SUBMITTAL	MARK	DESCRIPTION
DATE	APPR.	DATE	DESCRIPTION
DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	
DWN BY: SPT	CD BY: TN	CONTRACT NO.:	
SUBMITTED BY:	FILE NAME: 40-001.dwg	FILE NUMBER:	
	SIZE: 22" x 34"	PLOT SCALE: 1" = 11'	PLOT DATE: 02/25/2019
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK			
POND			
3000 Parkway Lane 30096 SUITE 500 Phone 678.338.7740 Fax 678.338.7744			
POND PROJECT No. 1190154			
PONCE/CHURCH SIDEWALKS			
GEORGIA STANDARDS			
SHEET IDENTIFICATION NUMBER 41-005			

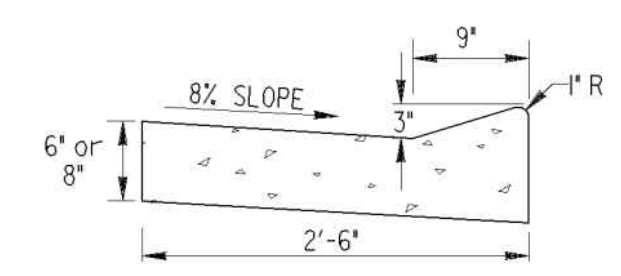
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



TYPE 8

TYPE 8 CURB IS USED IN CONJUNCTION WITH GUARDRAIL CONNECTIONS TO CONCRETE BARRIER AS NOTED ON GA. STD. 4012C.

RAISED EDGE WITH CONCRETE GUTTER

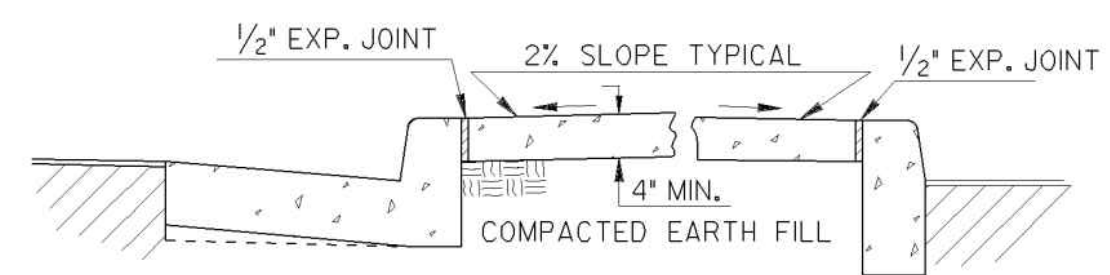


SCALE: 1" = 1 FT.

RAISED EDGE TO BE CONSTRUCTED WITH SAME CONCRETE MIX AS THE GUTTER AND SHALL BE FORMED MONOLITHIC WITH GUTTER. JOINTS IN RAISED EDGE SHALL MATCH THOSE IN THE GUTTER.

CONCRETE MEDIAN (Between Curbs)

NOTE: CURB TYPES SHOWN ARE TYPICAL. OTHER TYPES MAY BE SPECIFIED.



SCALE: 3/4" = 1 FT.

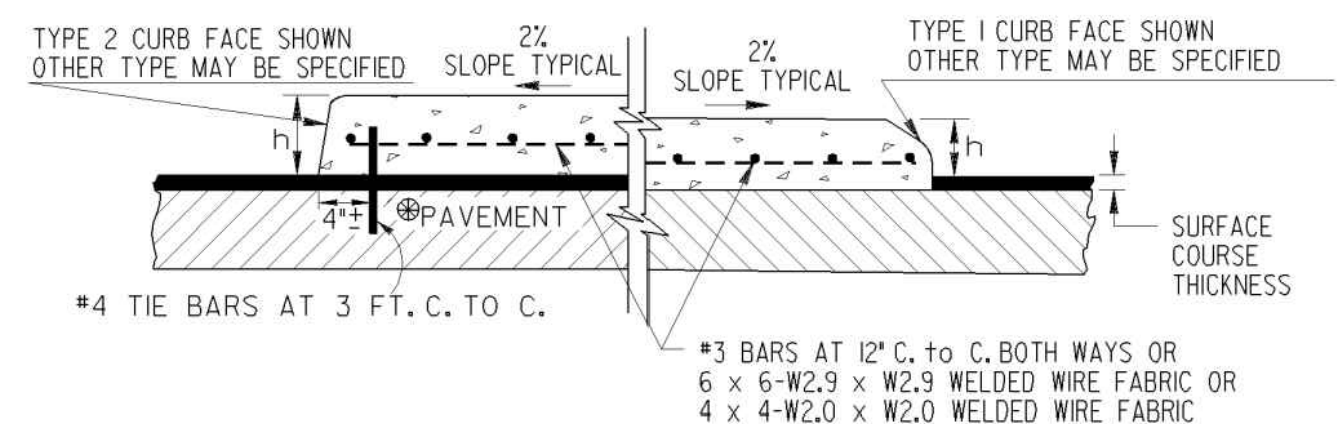
NOTE: WIDTH OF CONCRETE MEDIAN WILL BE AS SHOWN IN PLANS

CONCRETE MEDIANS (Integral)

SCALE: 1" = 1 FT.

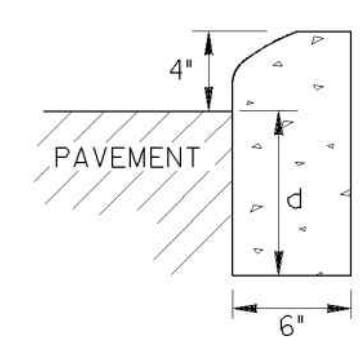
-WITH TIE BARS-

-WITHOUT TIE BARS-



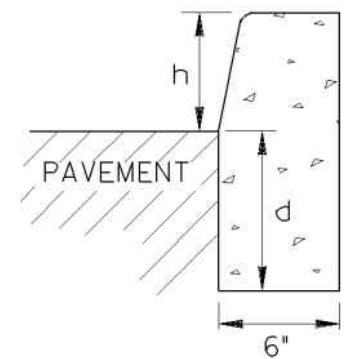
NOTE: IF FINAL SURFACE COURSE IS PRESENT OR MUST BE INSTALLED BEFORE THE CONCRETE MEDIAN CAN BE INSTALLED, THEN DOWELED IN CONCRETE MEDIAN IS REQUIRED.

CONCRETE HEADER CURBS

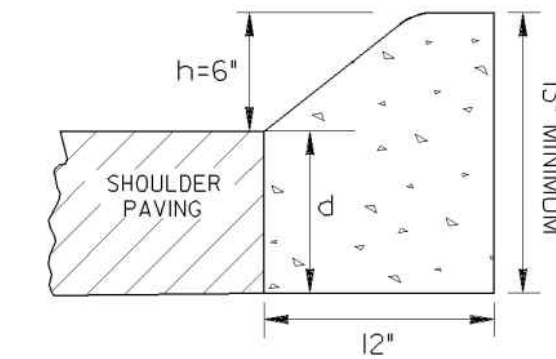


TYPE 1

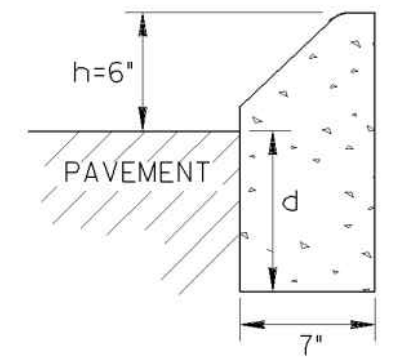
CURB TYPE	h	d
1	4"	6" min.
2	6"	8" min.
3	8"	10" min.
4	10"	12" min.
6	6"	7" min.
7	6"	8" min.
9	4"	8" min.



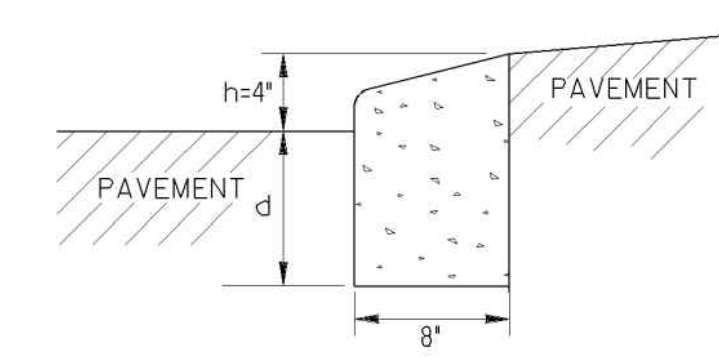
TYPE 2, 3 OR 4



TYPE 6



TYPE 7



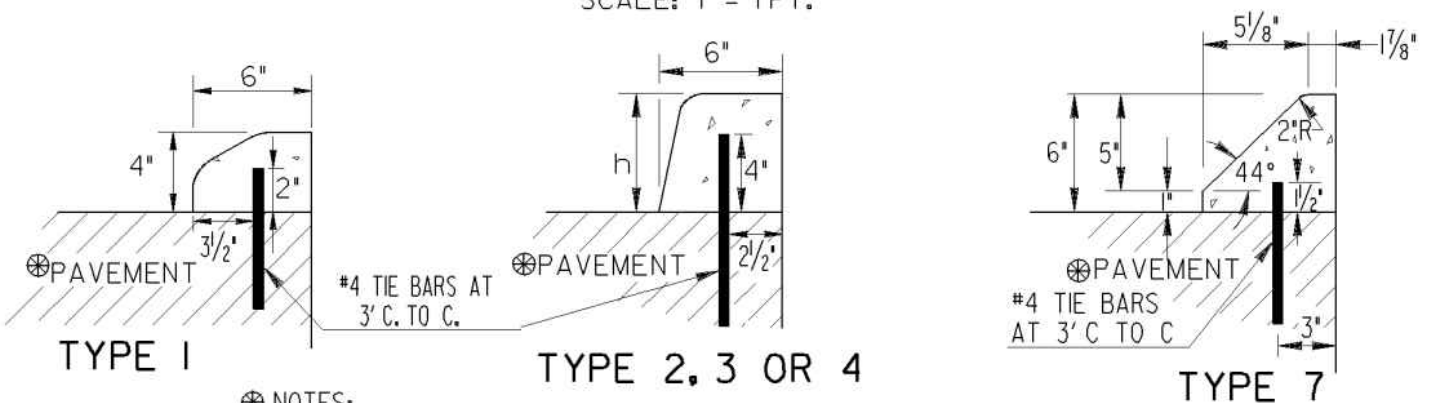
TYPE 9
TRUCK APRON
IN ROUNDABOUTS

THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT TYPICAL SECTION.

SCALE: 1/2" = 1 FT.

CONCRETE DOWELED INTEGRAL CURBS

SCALE: 1" = 1 FT.



TYPE 1

TYPE 2, 3 OR 4

TYPE 7

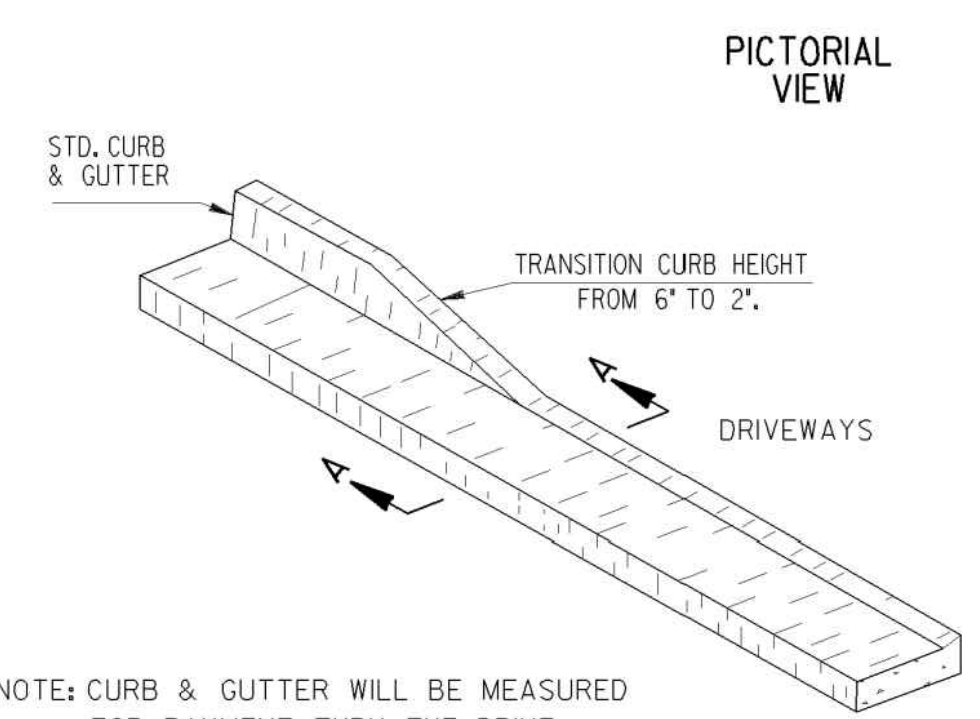
- NOTES:
- CONCRETE CURB CAN BE INSTALLED AFTER INITIAL SET AS LONG AS TIE BARS ARE DRILLED INTO UNDERLYING CONCRETE PAVEMENT.
 - CONCRETE CURB CAN BE INSTALLED BEFORE INITIAL SET WITH DOWELS THAT ARE DRIVEN INTO UNDERLYING CONCRETE PAVEMENT.
 - JOINTS IN CURB AND CONCRETE MEDIAN WILL MATCH THOSE IN THE CONCRETE PAVEMENT.
 - ALL TYPES OF CONCRETE CURB CAN BE PLACED ON ASPHALT PAVEMENTS WHERE TIE BARS MAY BE EITHER DRIVEN OR DRILLED INTO THE UNDERLYING PAVEMENT. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN CURB OR CONCRETE MEDIAN AT 20 FT. SPACING.

MINIMUM TIE BAR LENGTHS (FOR CONC. DOWELED CURBS OR CONC. MEDIAN)		
CURB TYPE	P.C. CONC. PAV.	ASPHALT PAV.
1	6"	8"
2, 3 or 4	8"	12"
7	6"	8"

NOTE: TIE BARS FOR DOWELED CURBS MAY BE UNCOATED PLAIN OR DEFORMED BILLET-STEEL BARS (GRADE 40) AS USED FOR CONCRETE REINFORCEMENT. (AASHTO M-31)

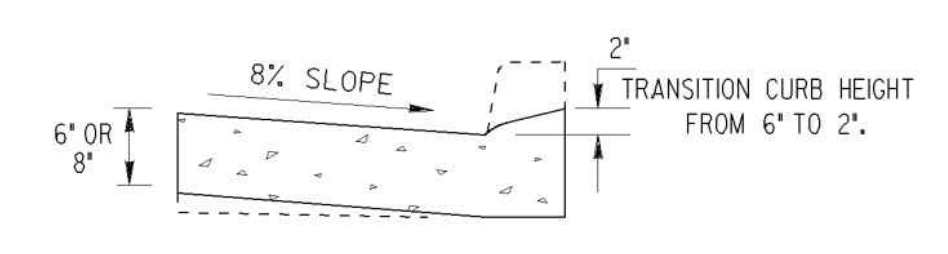
DETAILS OF RECESSED CURB FOR DRIVEWAYS

NO SCALE



PICTORIAL VIEW

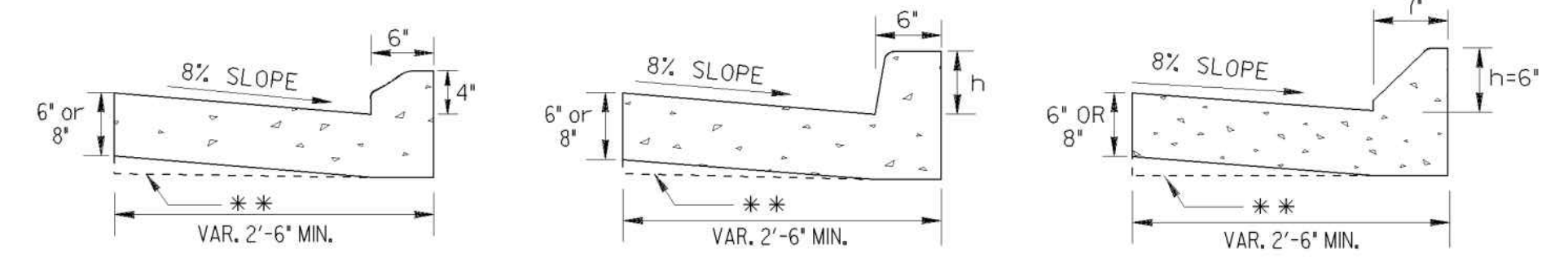
NOTE: CURB & GUTTER WILL BE MEASURED FOR PAYMENT THRU THE DRIVE



SECTIONAL VIEW SECTION A-A

(SEE SEPARATE CONSTRUCTION DETAILS FOR DRIVEWAYS)

CONCRETE CURB & GUTTER



TYPE 1

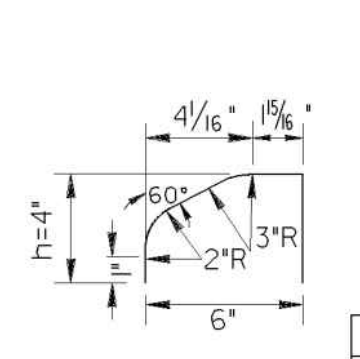
TYPE 2, 3 OR 4

TYPE 7

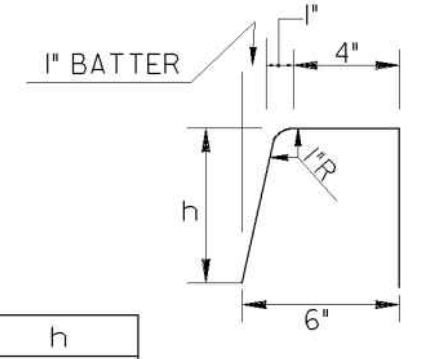
** AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT.

SCALE: 1" = 1 FT.

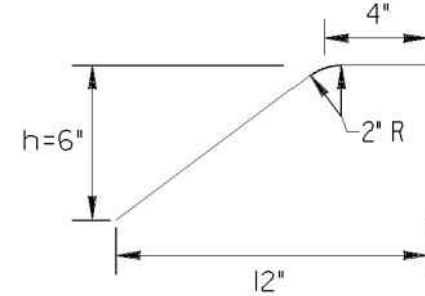
CURB FACE DESIGN



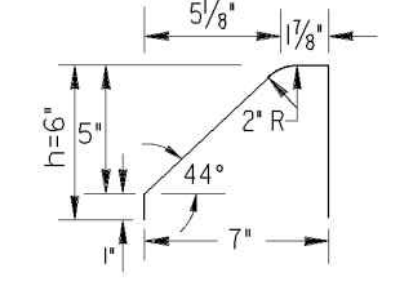
TYPE 1



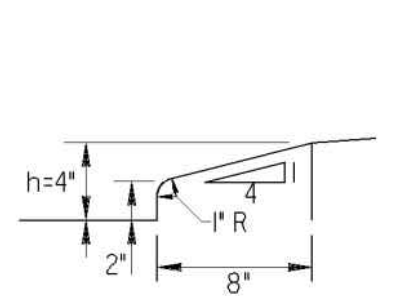
TYPE 2, 3 OR 4



TYPE 6



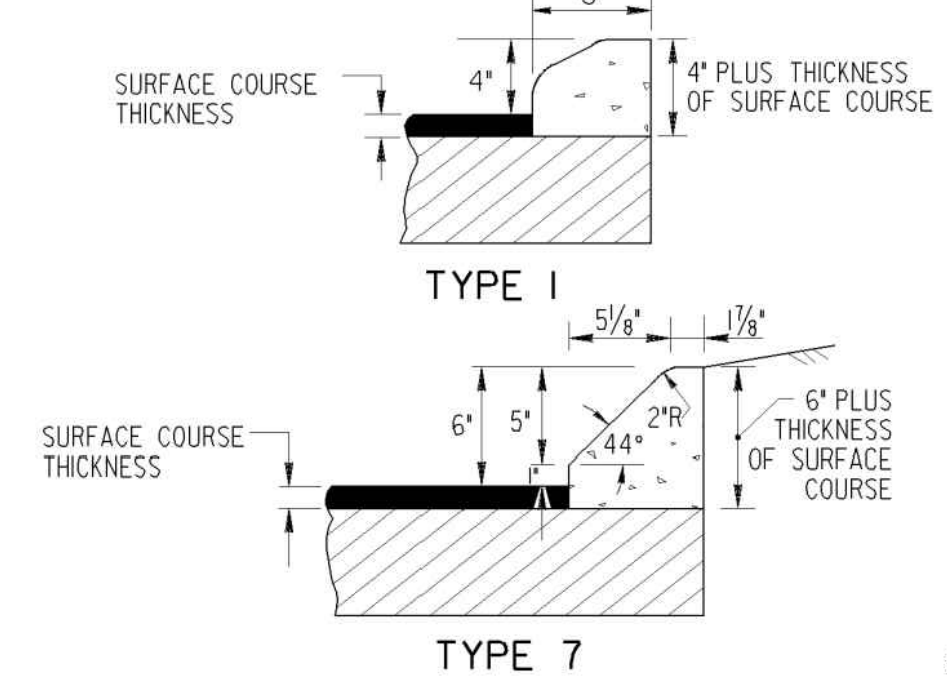
TYPE 7



TYPE 9

SCALE: 2" = 1 FT.

CONCRETE INTEGRAL CURB



TYPE 1

TYPE 7

SCALE: 1/2" = 1 FT.

REV. TYPE 9 CURB DETAIL	11-15-11	DATE	3-03
REV. OVERALL LAYOUT	11-27-11	DATE	
REV. MEDIAN NOTE AND ADDED TYPE 9 CURB DETAIL		DATE	
ADDED TYPE 9 DETAIL		DATE	
REVISION		DATE	
DES. (SUBMITTED)		STATE DESIGN POLICY ENGINEER	NUMBER
DRW. (APPROVED)		CHEF ENGINEER	9032B
TRAL.			
CHK.			

SCALE: AS SHOWN REVISED AND REDRAWN OCT. 2011

100% SUBMITTAL

10312019

100% SUBMITTAL

MARK

DATE

APPR.

DESCRIPTION

DATE

02/25/2019

DESIGNED BY: RBJ DATE: 2/22/2019

DWN BY: CND BY: SPT SOLICITATION NO.: 40-001

CONTRACT NO.: 40-001

FILE NAME: 40-001.DWG

FILE NUMBER: 22" x 34" 1:1

PLOT SCALE: 22" x 34" 1:1

PLOT DATE: 02/25/2019

CITY OF CLARKSTON

SPLIST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK

3000 Parkway Lane
 Clarkston, GA 30006
 Phone 678.387.7740
 Fax 678.387.7744

POND

POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS

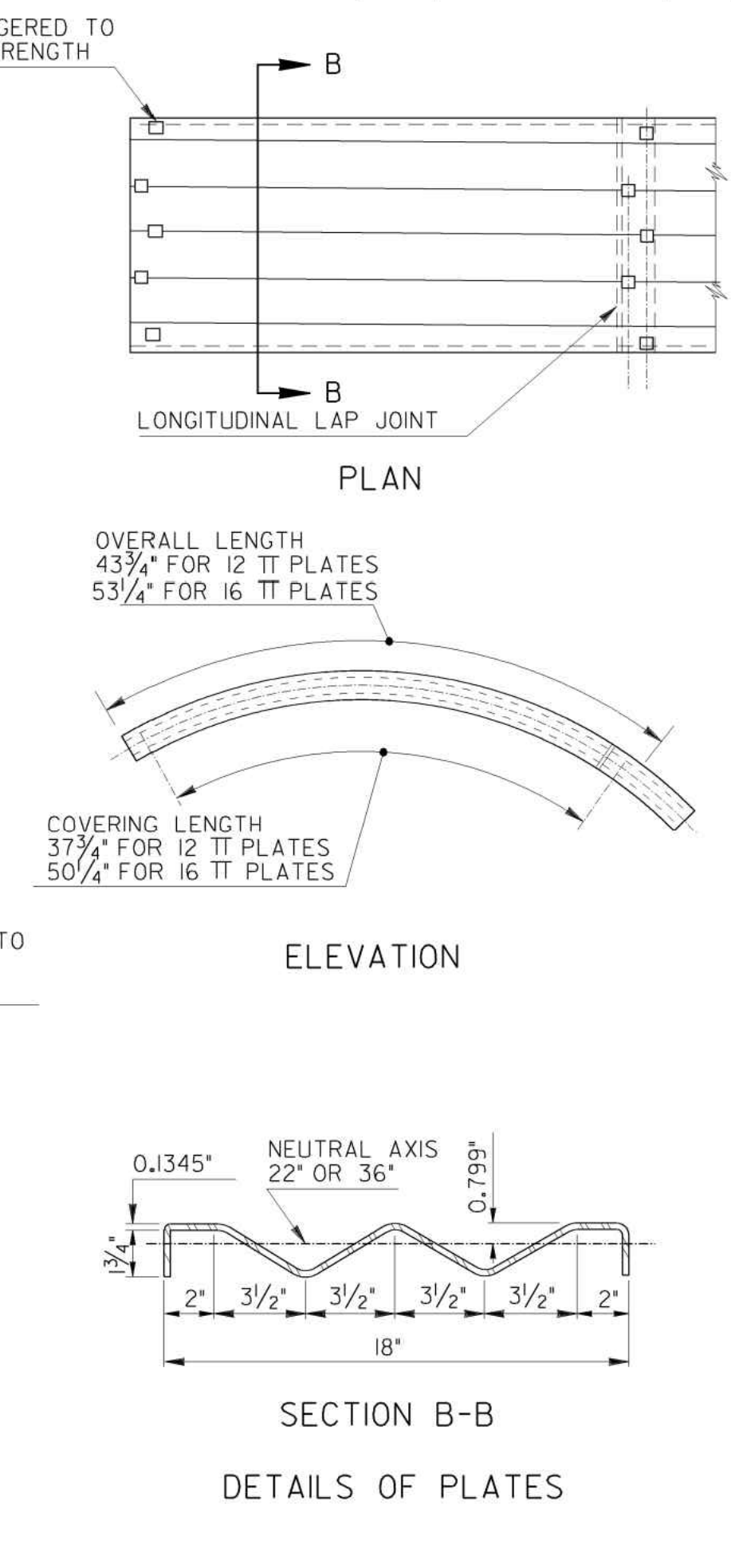
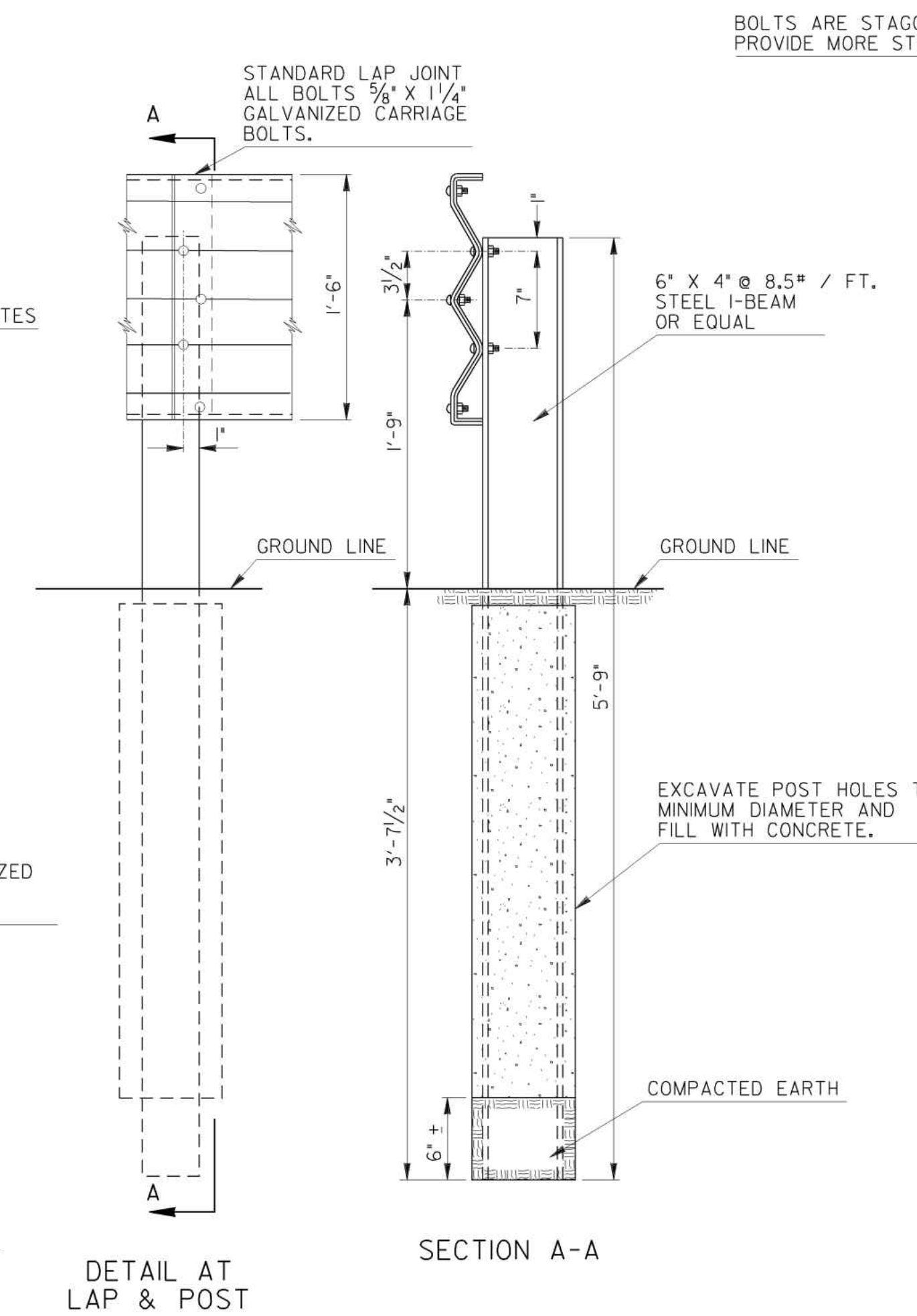
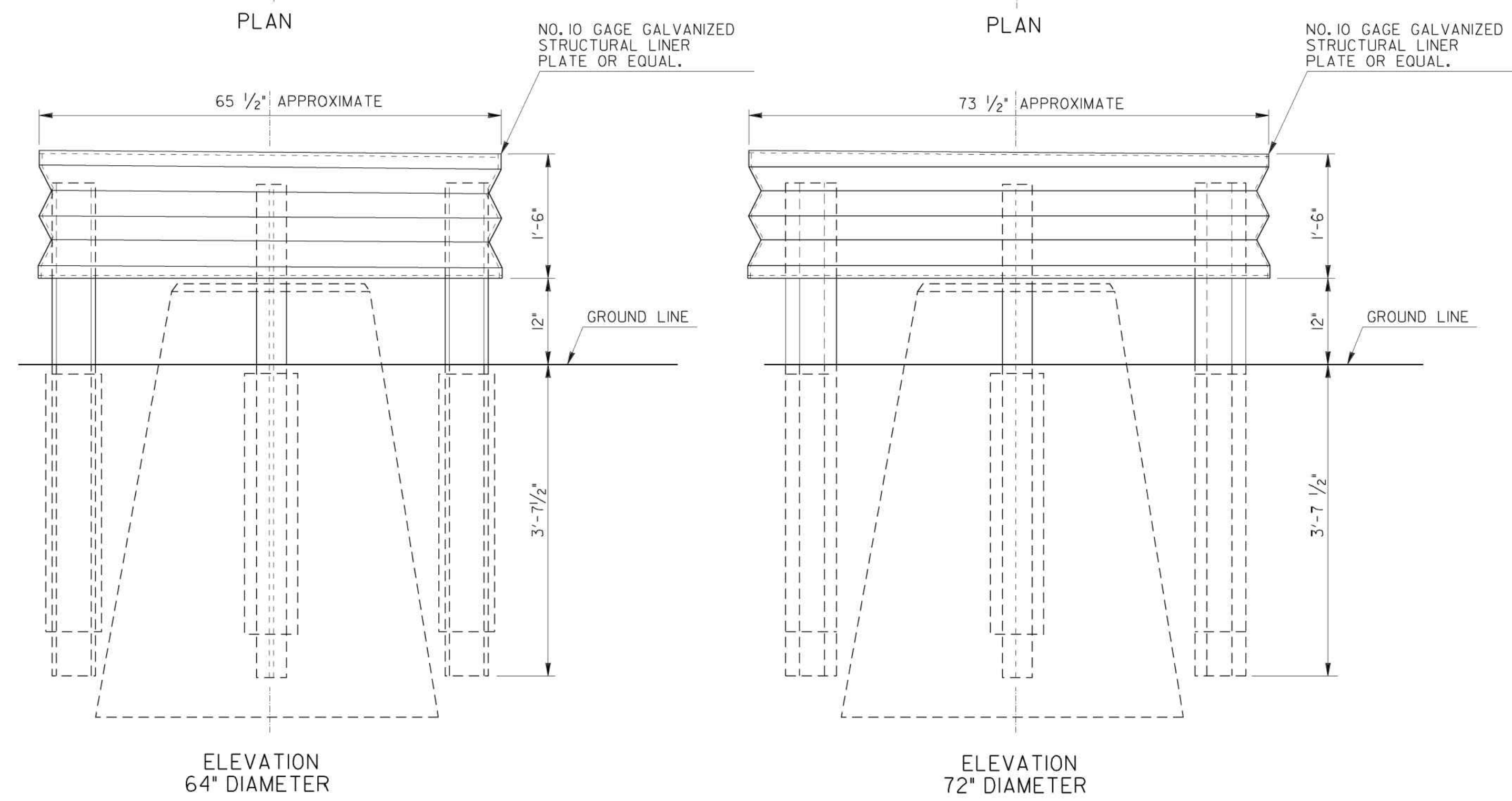
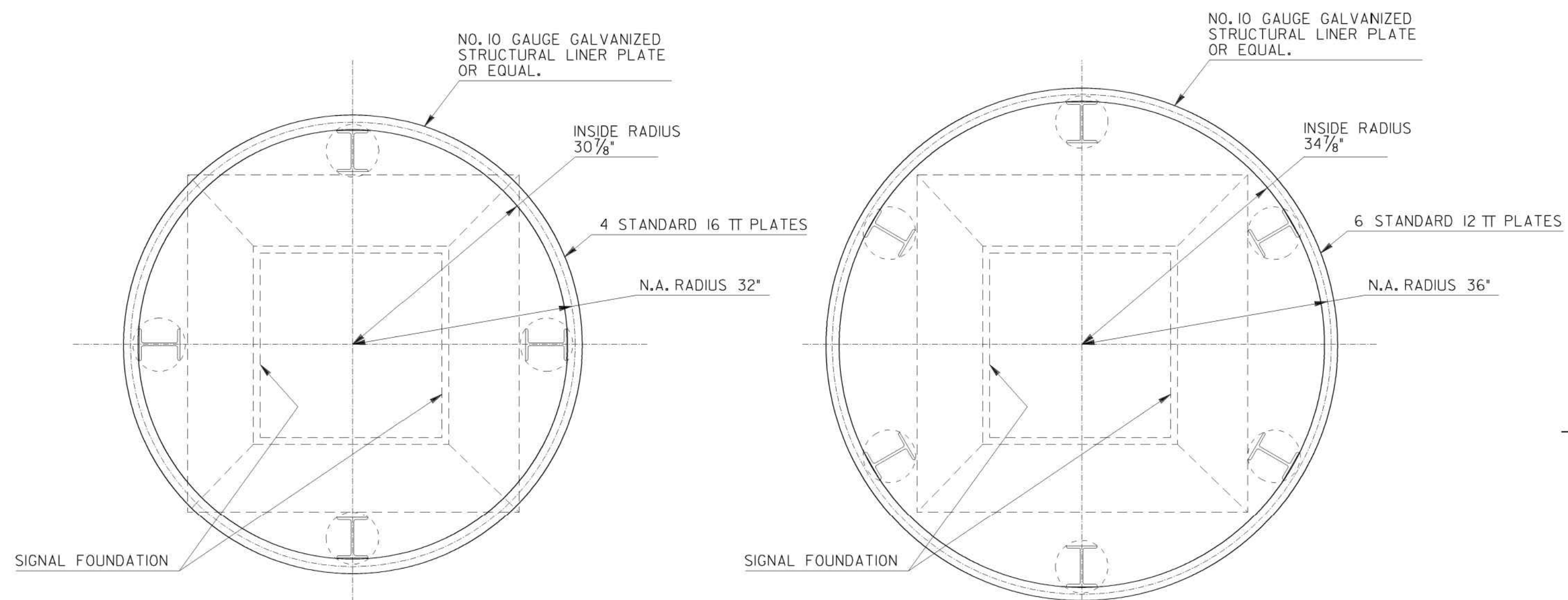
GEORGIA STANDARDS

SHEET IDENTIFICATION NUMBER

41-006

\\z7703-1-24-08_PM_VS\G001-USM\100PL\100CF\30-111-OUT\PLT_G01.dwg M:\D\1919\SEND_TO_WEB\111\TEMP\04001\111\4030.plt G0-R06

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



NOTE: PLATES OF EQUAL DESIGN MAY BE SUBSTITUTED FOR PLATES SHOWN.

REVISION	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
6-30-98		STANDARD DETAILS OF GALVANIZED METAL CIRCULAR GUARD RAIL FOR PROTECTION OF R.R. SIGNALS	
REDRAWN			
G.J.P.	DESIGNED	(SUBMITTED)	NUMBER
C.C.R.	DRAWN	(APPROVED)	4030
BY	TRACED	ROAD DESIGN ENGR.	
	CHECKED	STATE HIGHWAY ENGINEER	
SCALE AS SHOWN		APRIL 18, 1951	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NAME:	FILE NUMBER:	PLOT DATE:
DWN BY: SPT	CHK BY: TN	40-001		40-001.dwg	1190154	02/25/2019
SUBMITTED BY:		PLOT SCALE:		SIZE: 22" x 34" 1:1		
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK		POND		3000 Parkway Lane GA 30092 SUITE 500 Phone 678.387.7740 Fax 678.387.7744		
POND PROJECT No. 1190154		POND PROJECT No. 1190154		POND PROJECT No. 1190154		
PONCE/CHURCH SIDEWALKS		GEORGIA STANDARDS		SHEET IDENTIFICATION NUMBER		
				41-007		